

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
 Data File : BM024133.D
 Acq On : 17 Dec 2019 22:10
 Operator : JU
 Sample : K6132-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFQR5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.011	18	21	30	rVB	79602	118677	0.19%	0.056%
2	4.805	322	326	338	rVB3	35700	67471	0.11%	0.032%
3	5.916	510	515	531	rBV	1326335	2184045	3.53%	1.024%
4	6.516	612	617	626	rBV2	52023	101809	0.16%	0.048%
5	6.651	632	640	652	rBV2	472544	888326	1.44%	0.417%
6	6.804	659	666	681	rBV	1376494	2277297	3.68%	1.068%
7	6.993	691	698	711	rVV	1525715	2519164	4.07%	1.181%
8	7.440	765	774	788	rBV2	3281618	6941639	11.22%	3.255%
9	8.175	891	899	911	rBV	1422513	2401192	3.88%	1.126%
10	8.604	966	972	986	rBV	1764367	2895207	4.68%	1.358%
11	8.928	1021	1027	1039	rVV	1863585	2933027	4.74%	1.375%
12	9.034	1039	1045	1055	rVV	696707	1153632	1.87%	0.541%
13	9.122	1055	1060	1068	rVB	506891	829450	1.34%	0.389%
14	9.316	1087	1093	1102	rBV	1519967	2545210	4.12%	1.193%
15	9.857	1178	1185	1194	rBV	2799528	4820423	7.79%	2.260%
16	9.940	1194	1199	1206	rVB	92474	194027	0.31%	0.091%
17	10.216	1239	1246	1254	rBV	2599734	4382402	7.09%	2.055%
18	10.381	1264	1274	1293	rVB2	112370	339007	0.55%	0.159%
19	10.669	1313	1323	1330	rBV2	94150	169564	0.27%	0.080%
20	11.057	1383	1389	1395	rBV2	40554	82461	0.13%	0.039%
21	11.175	1401	1409	1433	rBV	2531818	4921473	7.96%	2.308%
22	11.457	1450	1457	1465	rBV2	58744	160640	0.26%	0.075%
23	11.828	1513	1520	1531	rBV2	299022	559641	0.90%	0.262%
24	12.122	1565	1570	1573	rBV	61835	101063	0.16%	0.047%
25	12.163	1573	1577	1581	rVB3	44138	70242	0.11%	0.033%
26	12.228	1582	1588	1598	rBV	633484	1157502	1.87%	0.543%
27	12.292	1598	1599	1608	rVB3	45636	76507	0.12%	0.036%
28	12.939	1696	1709	1712	rBV	118617	213800	0.35%	0.100%
29	13.098	1733	1736	1741	rVB	45830	69737	0.11%	0.033%
30	13.157	1742	1746	1750	rVV4	49144	81191	0.13%	0.038%
31	13.222	1753	1757	1762	rVB2	80555	132716	0.21%	0.062%
32	13.357	1774	1780	1789	rBV	1855020	2862691	4.63%	1.342%
33	13.539	1804	1811	1816	rBV	4862960	6540927	10.58%	3.067%
34	13.586	1816	1819	1822	rVV	259450	348236	0.56%	0.163%

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35	13.633	1822	1827	1842	rVB	1543307	2517693	4.07%	1.181%
36	13.798	1848	1855	1865	rBV	5591292	8254134	13.35%	3.870%
37	14.116	1902	1909	1915	rBV	4139165	6222049	10.06%	2.918%
38	14.175	1915	1919	1928	rVB2	147065	242091	0.39%	0.114%
39	14.369	1947	1952	1959	rBV	340453	678971	1.10%	0.318%
40	14.439	1960	1964	1970	rVB4	91421	194204	0.31%	0.091%
41	14.739	2011	2015	2022	rBV2	67155	154602	0.25%	0.072%
42	14.874	2034	2038	2046	rVB4	51066	121898	0.20%	0.057%
43	15.127	2073	2081	2098	rBV2	36952939	61843504	100.00%	28.998%
44	15.263	2098	2104	2116	rVV	2328185	3379987	5.47%	1.585%
45	15.357	2117	2120	2121	rVV	66334	75086	0.12%	0.035%
46	15.392	2121	2126	2132	rVB	2369187	3047333	4.93%	1.429%
47	15.704	2175	2179	2190	rVB2	156713	294310	0.48%	0.138%
48	15.880	2204	2209	2211	rBV4	41652	75364	0.12%	0.035%
49	16.286	2273	2278	2286	rVB3	224735	450004	0.73%	0.211%
50	16.439	2302	2304	2310	rVB	48964	68199	0.11%	0.032%
51	16.539	2316	2321	2335	rBV	219800	469418	0.76%	0.220%
52	16.868	2371	2377	2384	rBV	5136621	7142326	11.55%	3.349%
53	16.968	2384	2394	2407	rVB	7897895	12410611	20.07%	5.819%
54	17.174	2424	2429	2437	rBV2	296033	591575	0.96%	0.277%
55	17.292	2444	2449	2452	rBV2	183975	322397	0.52%	0.151%
56	17.798	2529	2535	2542	rBV2	2953438	4511203	7.29%	2.115%
57	18.910	2721	2724	2727	rVB	125951	131366	0.21%	0.062%
58	19.109	2751	2758	2764	rBV2	812385	1637927	2.65%	0.768%
59	19.186	2769	2771	2776	rVB	205074	245910	0.40%	0.115%
60	19.274	2781	2786	2797	rVV	8622413	12031291	19.45%	5.641%
61	19.368	2798	2802	2809	rVB	272602	370514	0.60%	0.174%
62	19.715	2858	2861	2868	rVB	231342	330444	0.53%	0.155%
63	19.956	2899	2902	2908	rVB	400101	530550	0.86%	0.249%
64	20.127	2928	2931	2936	rVB	206540	238583	0.39%	0.112%
65	20.821	3045	3049	3055	rBV2	1318679	1540310	2.49%	0.722%
66	21.080	3088	3093	3098	rBV	5676600	6968622	11.27%	3.268%
67	21.598	3178	3181	3189	rBV	500662	693520	1.12%	0.325%
68	22.121	3267	3270	3276	rVB	454493	534575	0.86%	0.251%
69	22.598	3348	3351	3357	rVB	514803	733054	1.19%	0.344%
70	23.080	3427	3433	3439	rBV	5198964	8889019	14.37%	4.168%
71	23.209	3447	3455	3467	rVB2	4040818	10182846	16.47%	4.775%

LSC Area Percent Report

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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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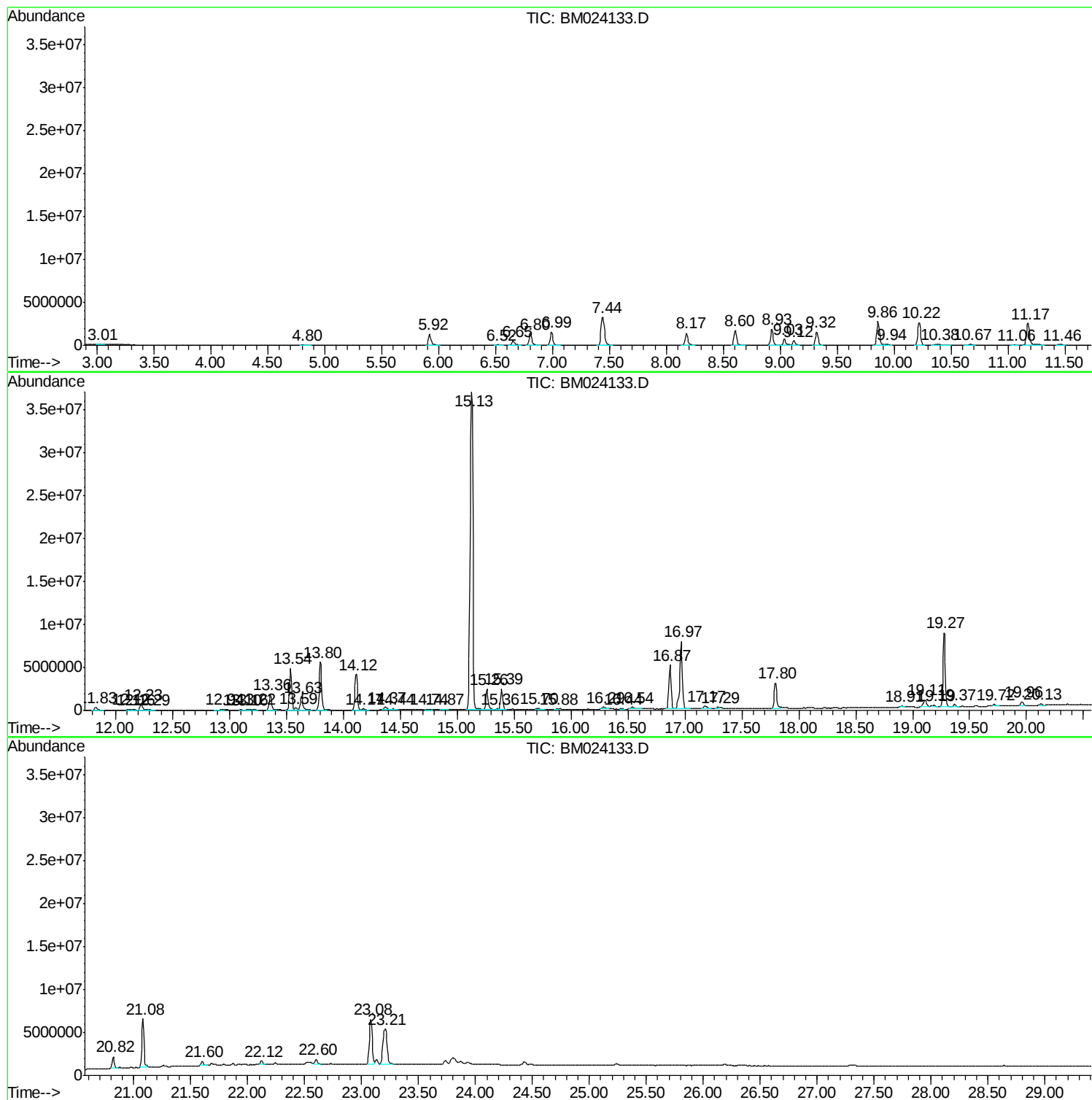
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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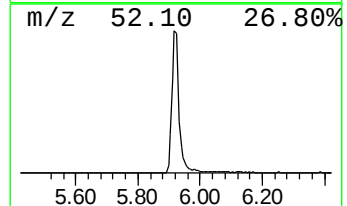
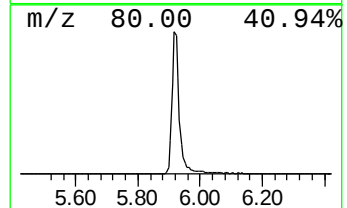
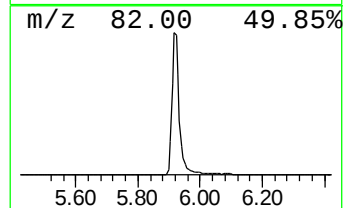
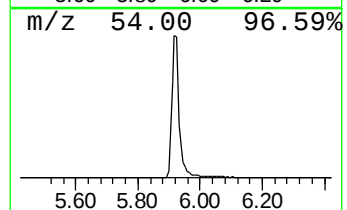
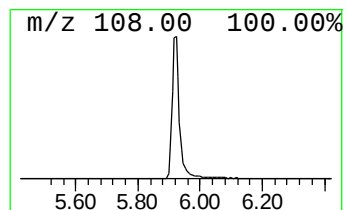
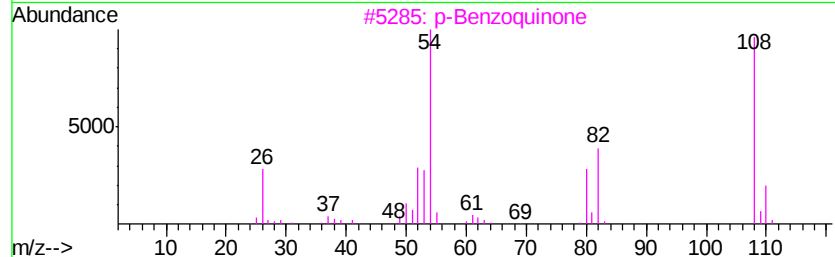
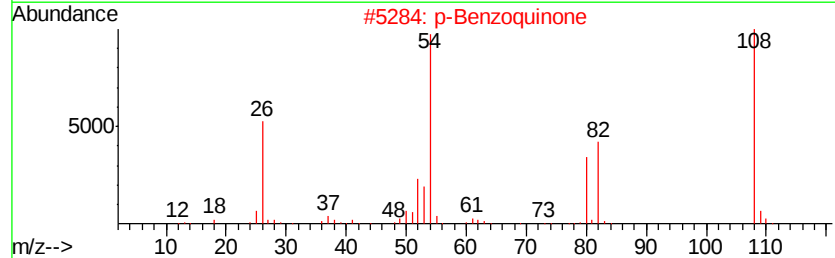
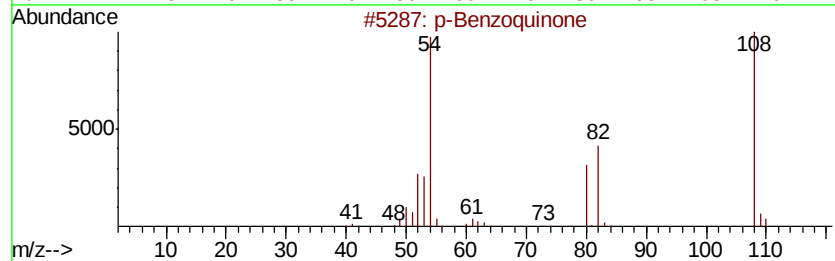
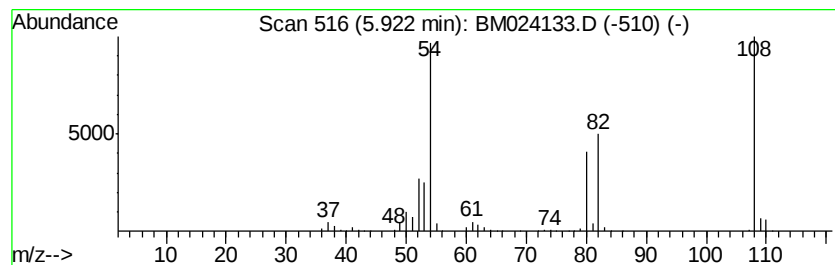
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 p-Benzoquinone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	6.29 ng/ul	2184050	1,4-Dichlorobenzene-d4	7.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Benzoquinone	108	C6H4O2	000106-51-4	98
2		p-Benzoquinone	108	C6H4O2	000106-51-4	96
3		p-Benzoquinone	108	C6H4O2	000106-51-4	95
4		p-Benzoquinone	108	C6H4O2	000106-51-4	95
5		3-Pentenitrile	81	C5H7N	004635-87-4	28



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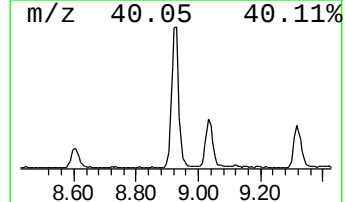
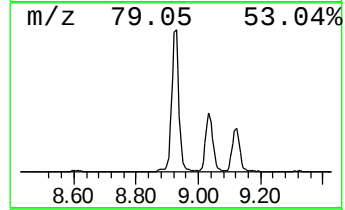
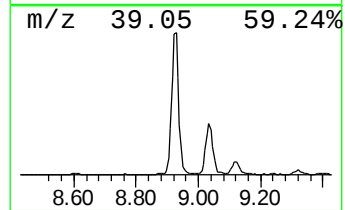
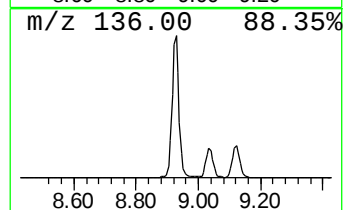
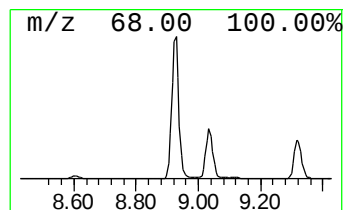
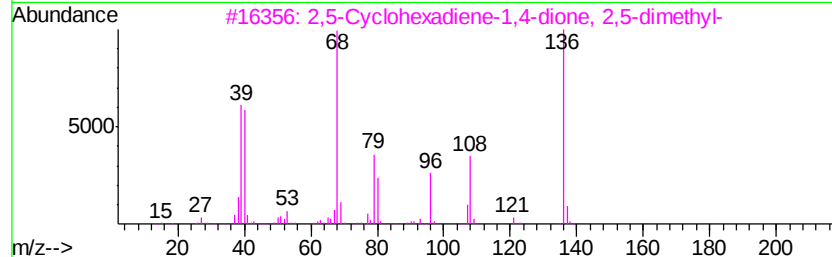
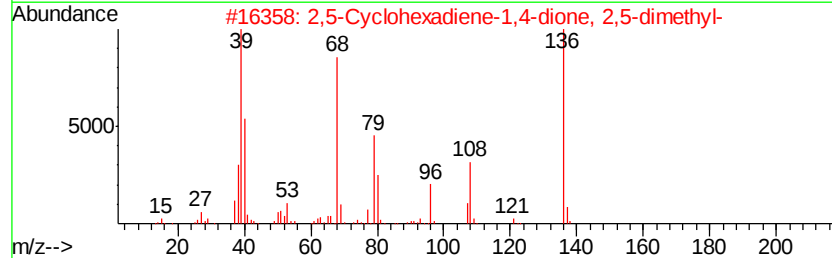
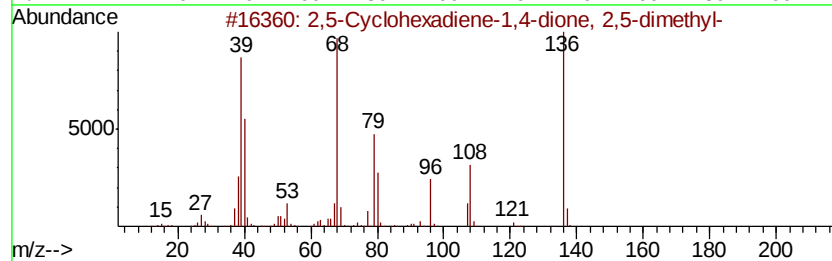
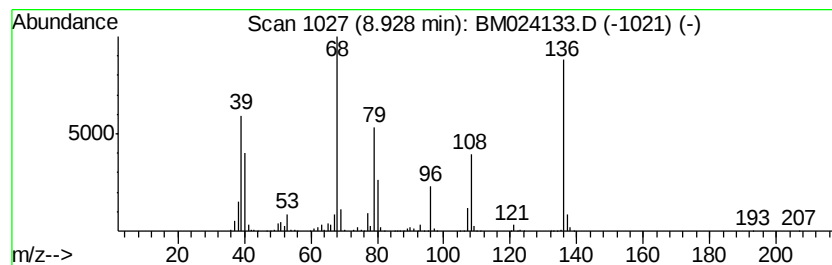
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2,5-Cyclohexadiene-1,4-dione... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	13.39 ng/ul	2933030	Naphthalene-d8	10.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000137-18-8	97
2		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000137-18-8	97
3		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000137-18-8	95
4		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000527-61-7	64
5		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000527-61-7	53



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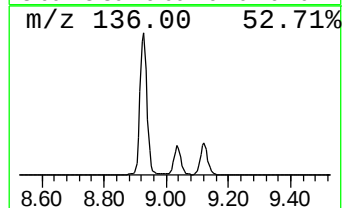
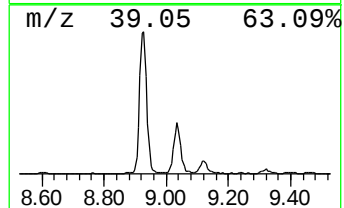
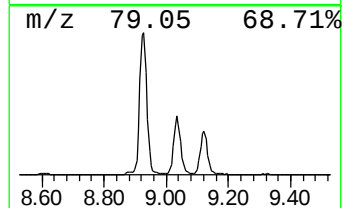
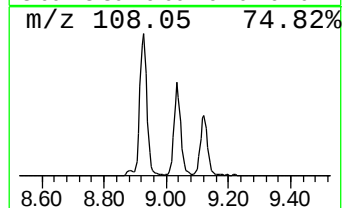
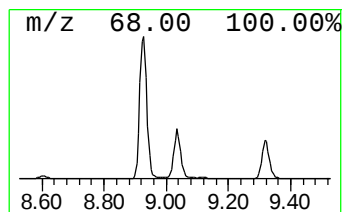
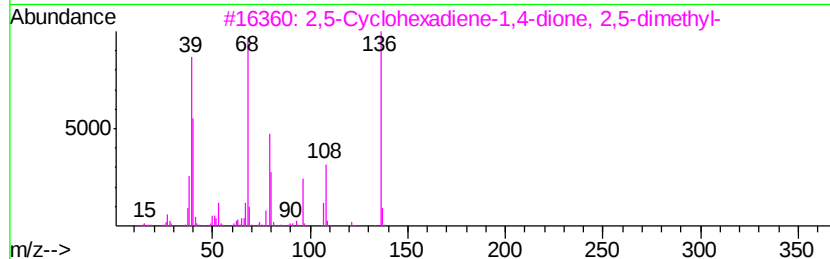
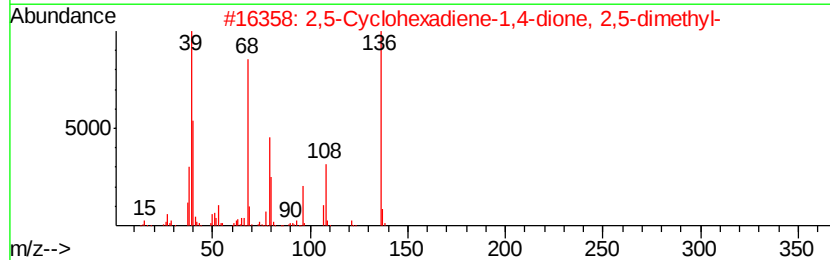
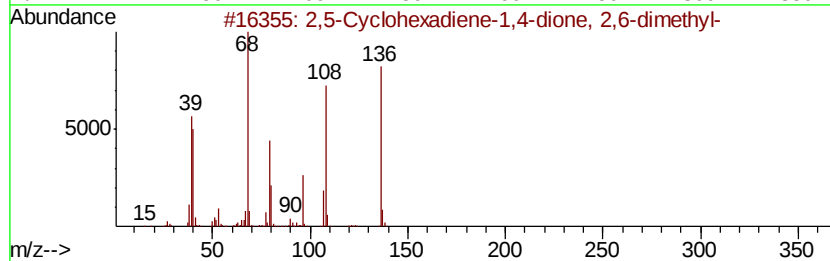
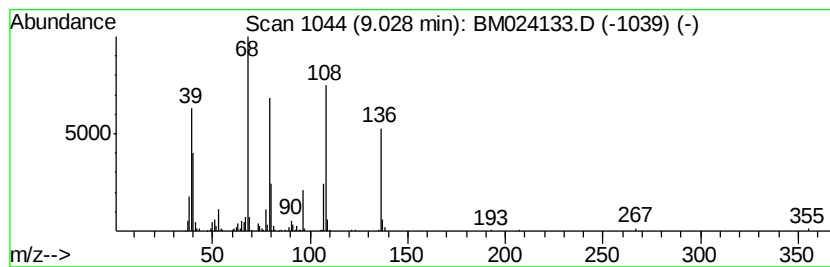
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2,5-Cyclohexadiene-1,4-dione... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	5.26 ng/ul	1153630	Naphthalene-d8	10.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000527-61-7	94
2		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000137-18-8	50
3		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000137-18-8	50
4		2,5-Cyclohexadiene-1,4-dione, 2,...	136	C8H8O2	000527-61-7	45
5		Cyclopentanone, 3,4-bis(methylene)-	108	C7H8O	027646-73-7	30



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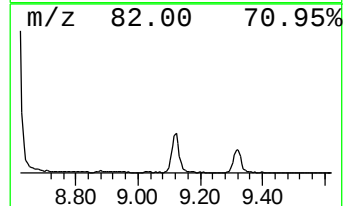
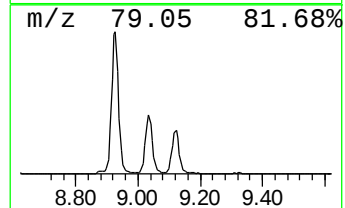
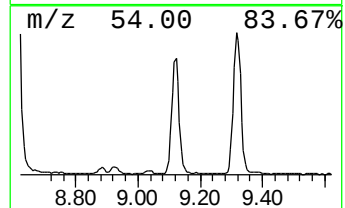
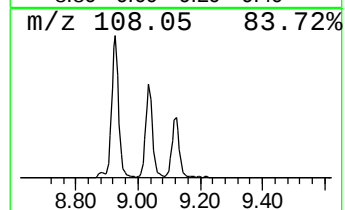
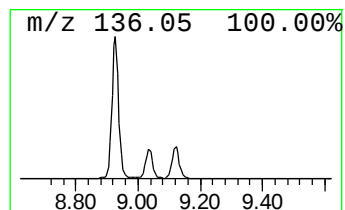
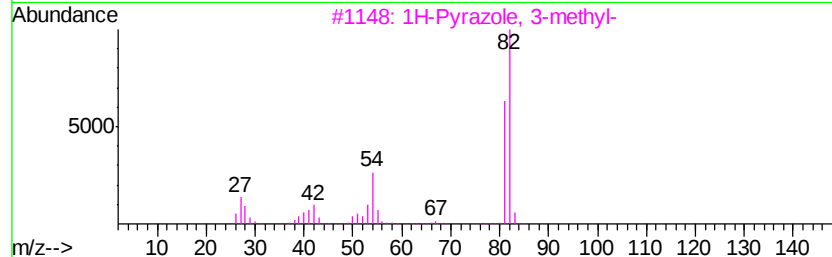
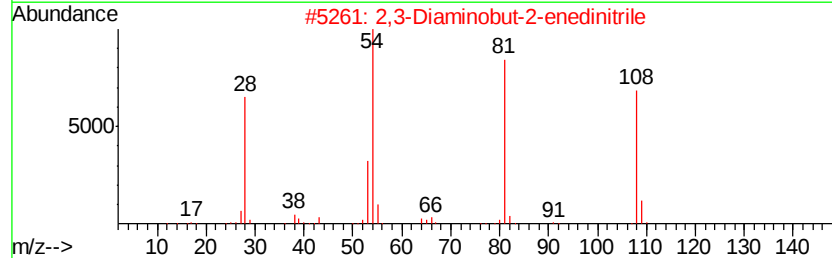
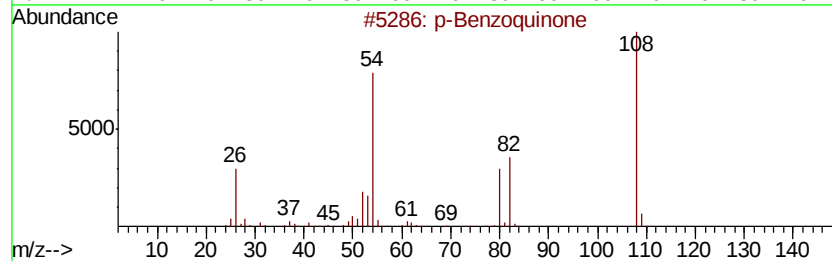
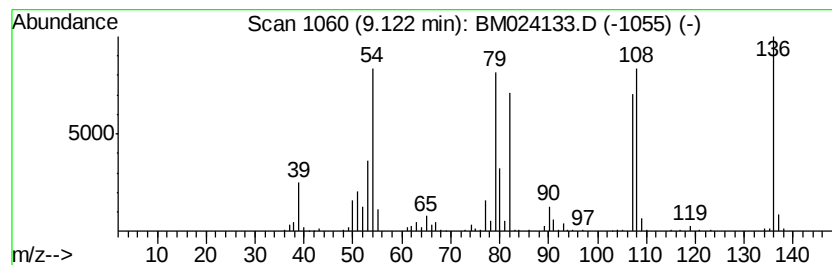
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	3.79 ng/ul	829450	Naphthalene-d8	10.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		p-Benzoquinone	108	C6H4O2	000106-51-4	58
2		2,3-Diaminobut-2-enedinitrile	108	C4H4N4	018514-52-8	49
3		1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	49
4		1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	43
5		1,2-Butadiene	54	C4H6	000590-19-2	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024133.D
Acq On : 17 Dec 2019 22:10
Operator : JU
Sample : K6132-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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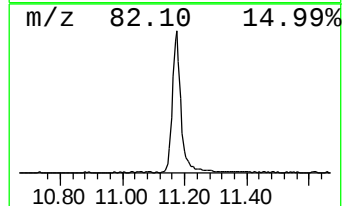
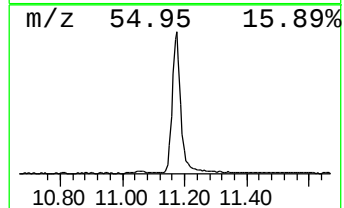
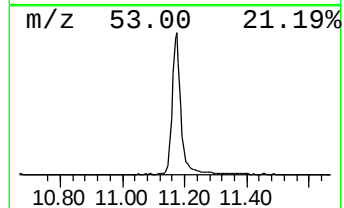
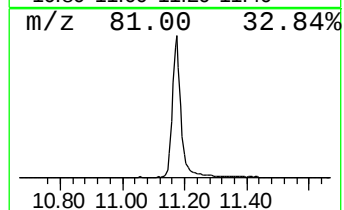
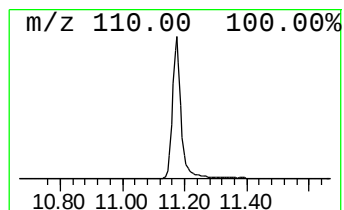
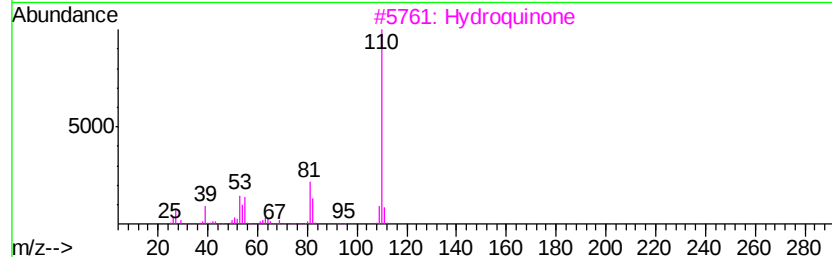
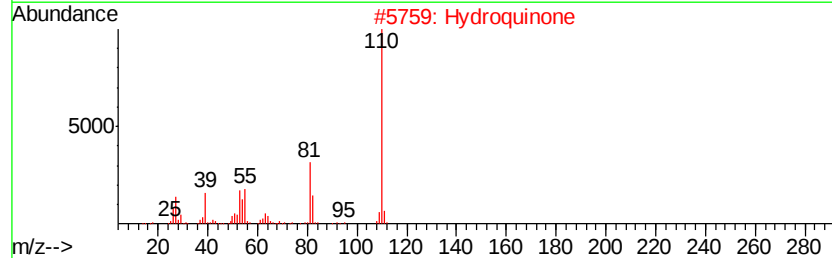
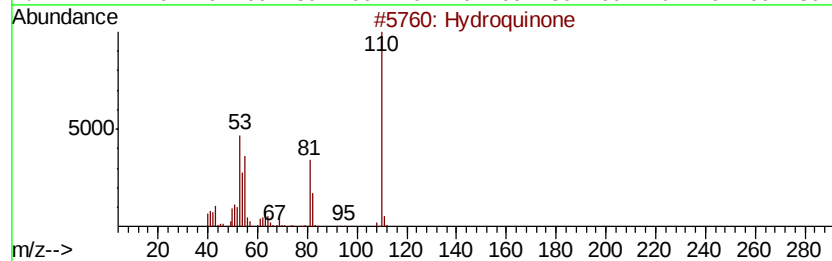
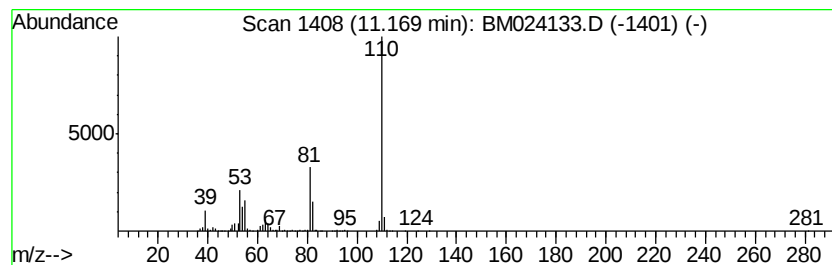
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hydroquinone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	22.46 ng/ul	4921470	Napthalene-d8	10.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hydroquinone	110	C6H6O2	000123-31-9	90
2		Hydroquinone	110	C6H6O2	000123-31-9	90
3		Hydroquinone	110	C6H6O2	000123-31-9	90
4		Resorcinol	110	C6H6O2	000108-46-3	72
5		2-Amino-3-hydroxypyridine	110	C5H6N2O	016867-03-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
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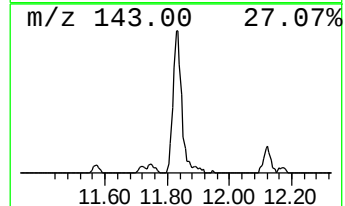
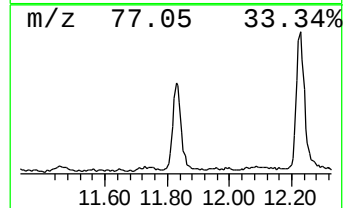
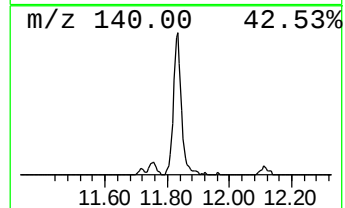
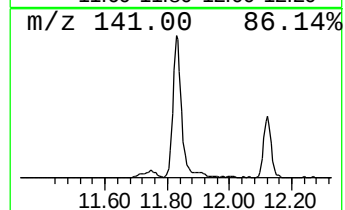
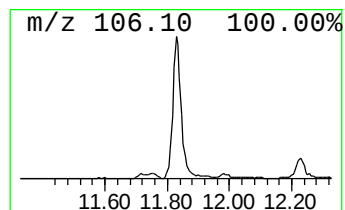
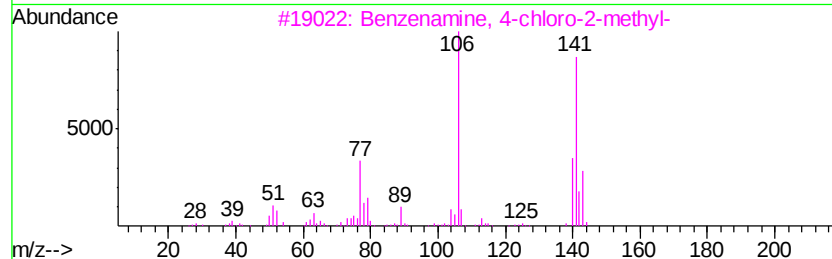
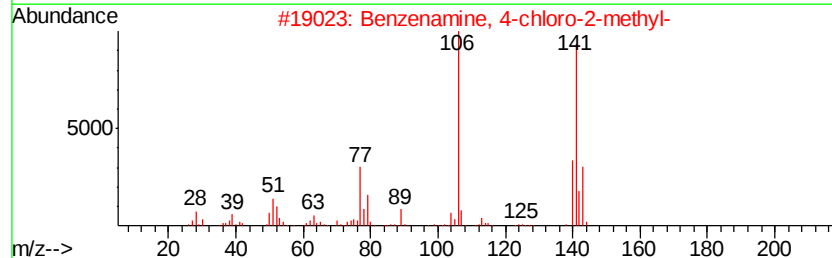
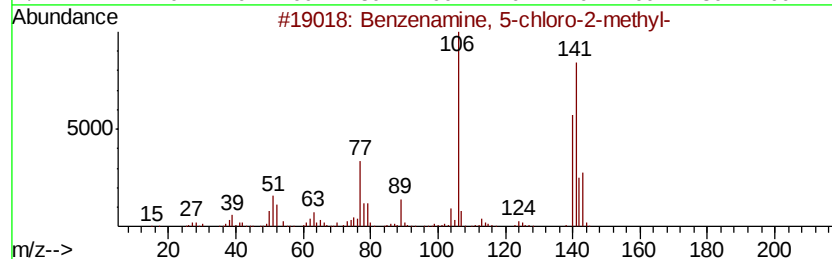
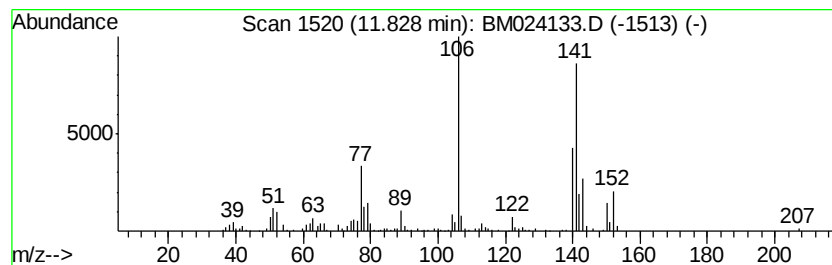
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzenamine, 5-chloro-2-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.55 ng/ul	559641	Naphthalene-d8	10.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	98
2		Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	96
3		Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	96
4		Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	95
5		Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024133.D
Acq On : 17 Dec 2019 22:10
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Misc :
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ClientSampleId :
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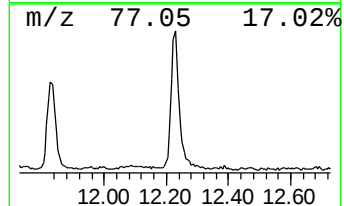
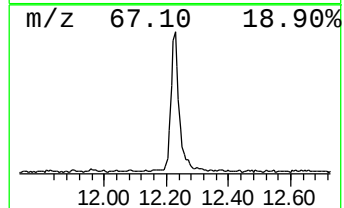
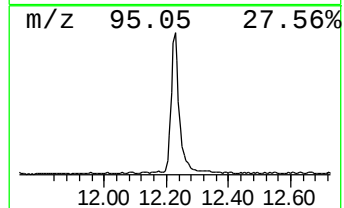
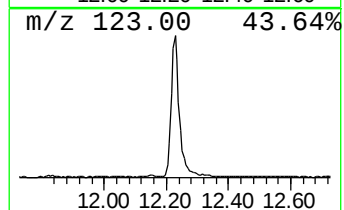
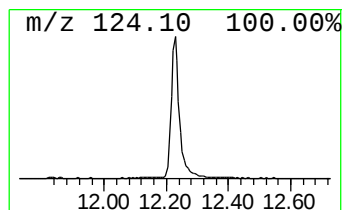
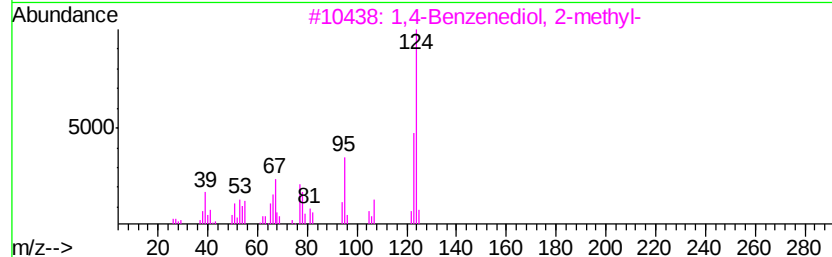
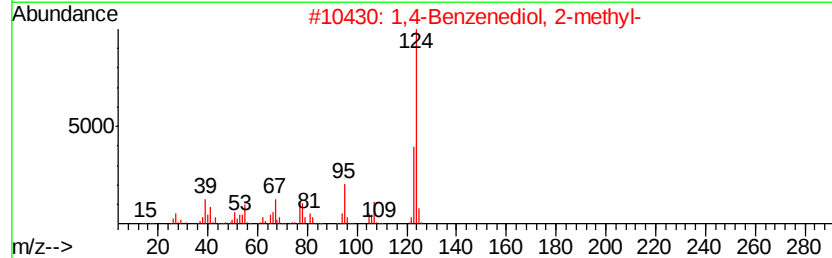
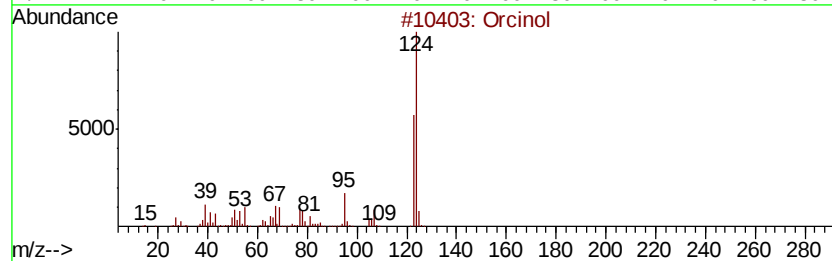
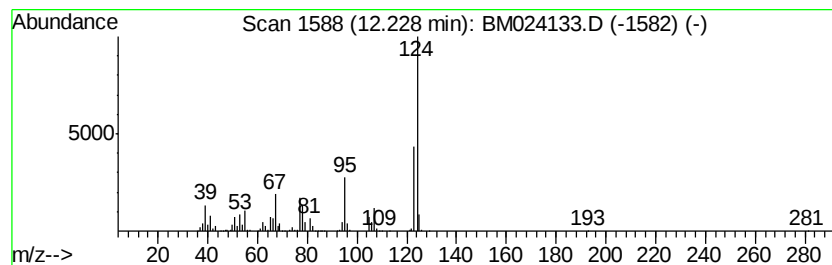
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Orcinol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.72 ng/ul	1157500	Acenaphthene-d10	14.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Orcinol	124	C7H8O2	000504-15-4	93
2		1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	91
3		1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	91
4		Orcinol	124	C7H8O2	000504-15-4	90
5		1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
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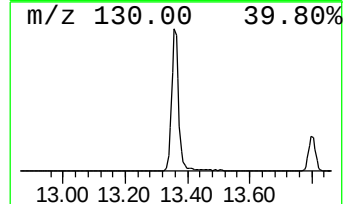
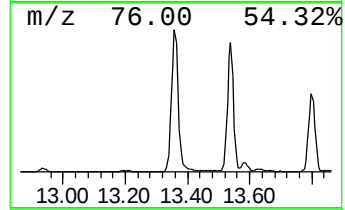
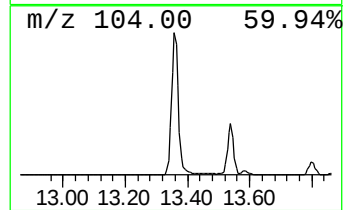
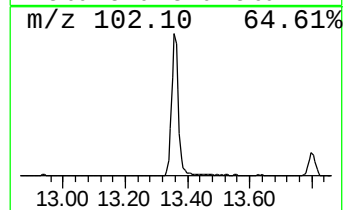
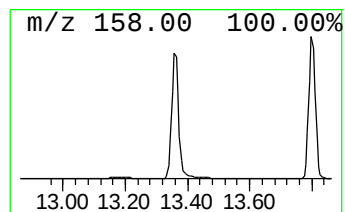
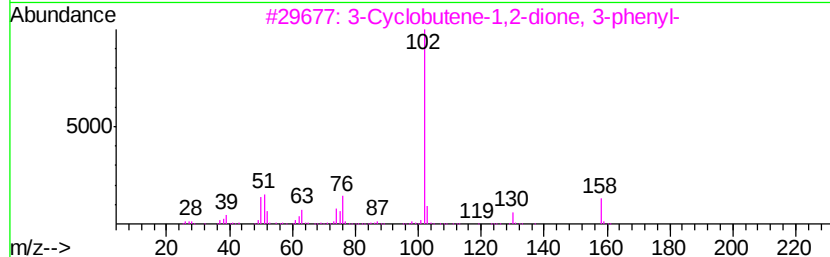
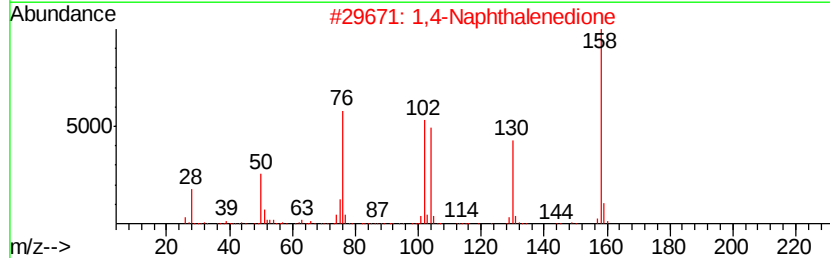
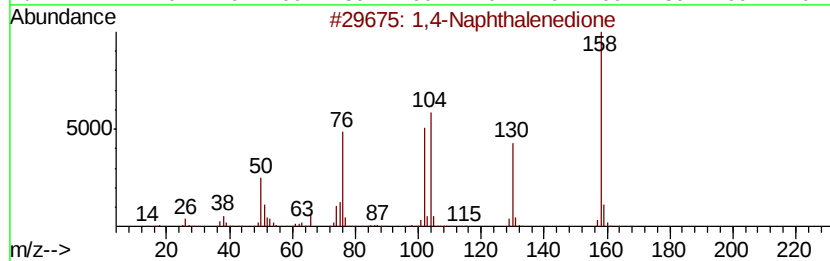
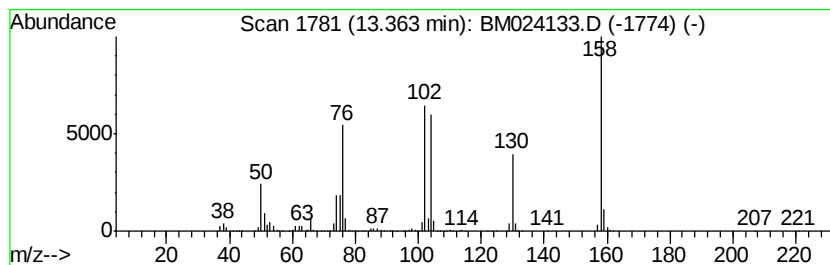
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,4-Naphthalenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	9.20 ng/ul	2862690	Acenaphthene-d10	14.12
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,4-Naphthalenedione	158 C10H6O2	000130-15-4	96
2	1,4-Naphthalenedione	158 C10H6O2	000130-15-4	96
3	3-Cyclobutene-1,2-dione, 3-phenyl-	158 C10H6O2	003947-97-5	43
4	1,4-Naphthalenedione	158 C10H6O2	000130-15-4	42
5	Benzo[1,2-b:4,3-b']difuran	158 C10H6O2	000210-79-7	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024133.D
Acq On : 17 Dec 2019 22:10
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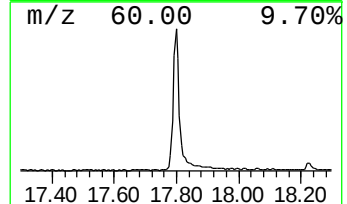
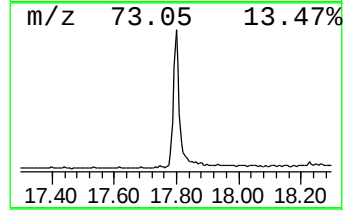
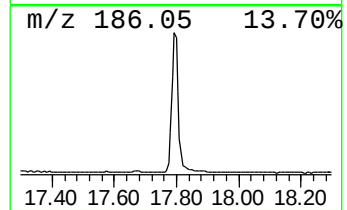
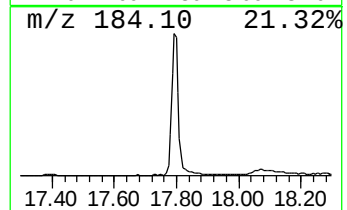
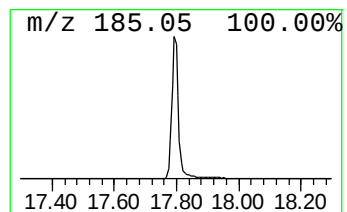
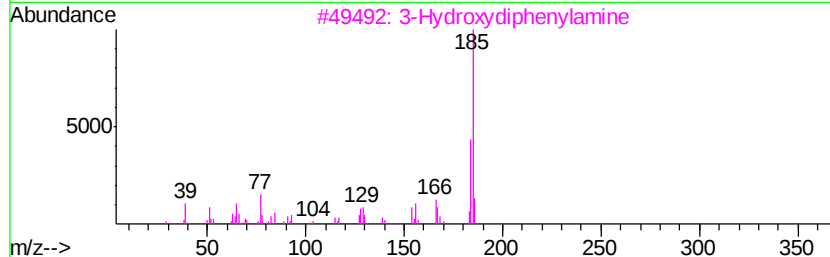
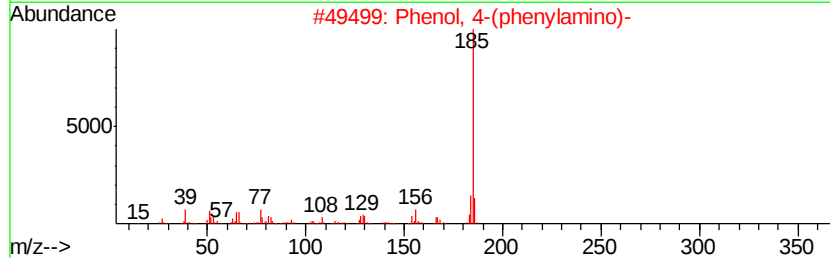
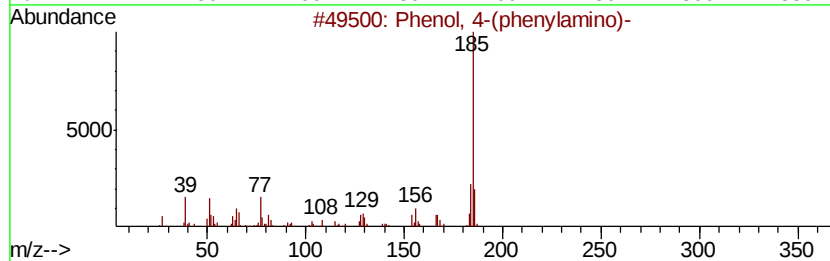
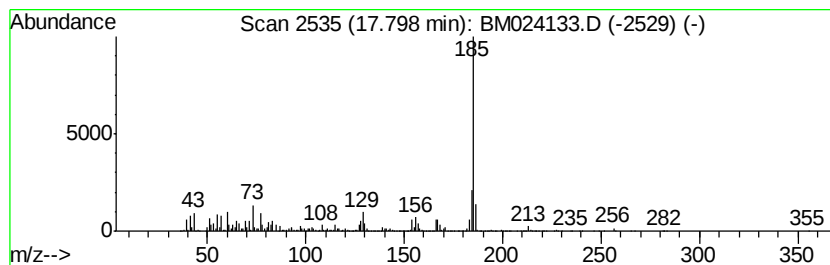
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenol, 4-(phenylamino)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	12.63 ng/ul	4511200	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(phenylamino)-	185	C12H11NO	000122-37-2	94
2		Phenol, 4-(phenylamino)-	185	C12H11NO	000122-37-2	90
3		3-Hydroxydiphenylamine	185	C12H11NO	000101-18-8	53
4		4-Pyridin-4-ylmethyl-phenol	185	C12H11NO	1000300-46-9	52
5		[1,1'-Biphenyl]-4-ol, 3-amino-	185	C12H11NO	001134-36-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
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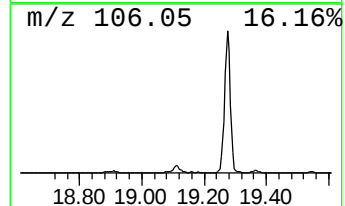
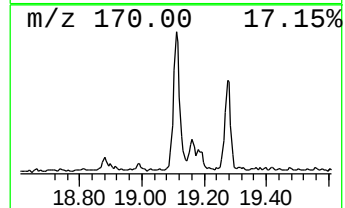
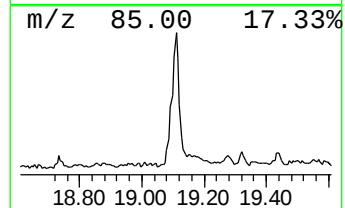
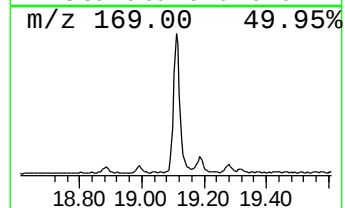
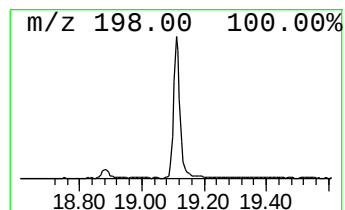
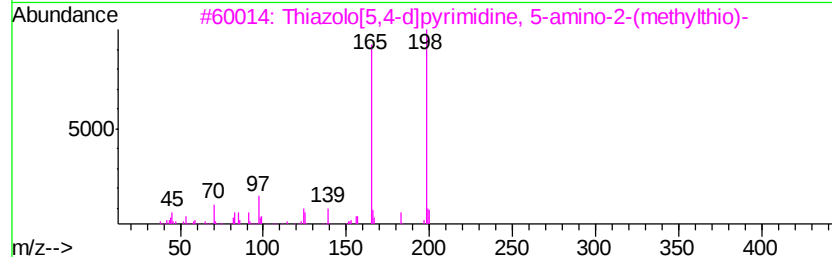
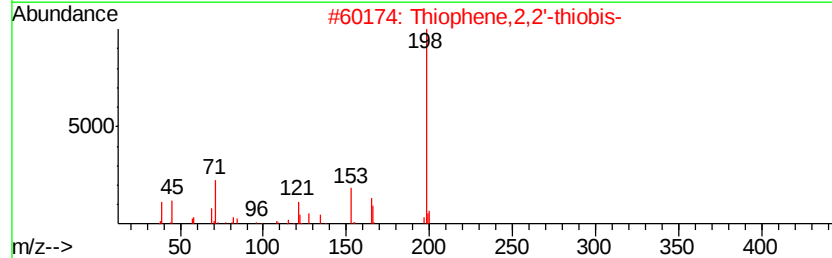
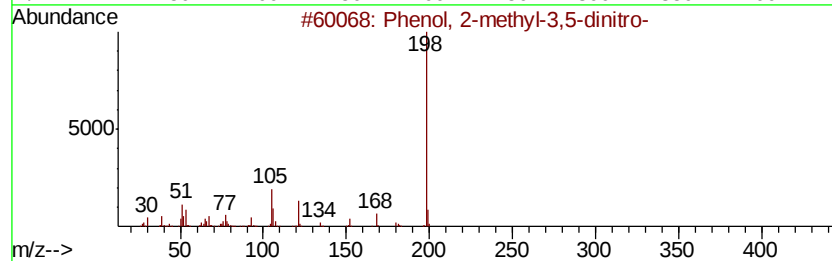
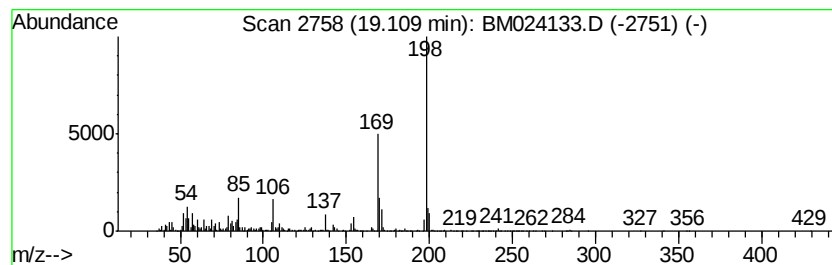
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	4.70 ng/ul	1637930	Chrysene-d12	21.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2-methyl-3,5-dinitro-	198	C7H6N2O5	000497-56-3	43
2			Thiophene,2,2'-thiobis-	198	C8H6S3	003988-99-6	43
3			Thiazolo[5,4-d]pyrimidine, 5-amino-2-(methylthio)-	198	C6H6N4S2	019835-31-5	43
4			10H-Phenothiazine, 10-benzyl-	289	C19H15NS	1000377-68-2	43
5			Thiophene,2,2'-thiobis-	198	C8H6S3	003988-99-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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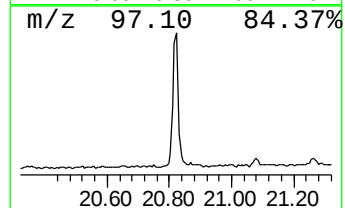
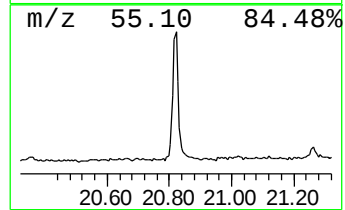
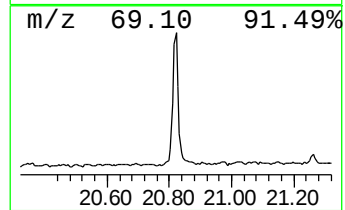
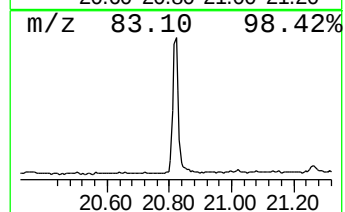
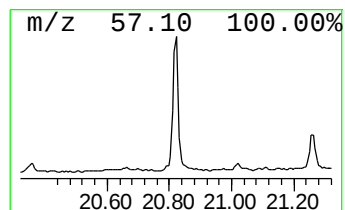
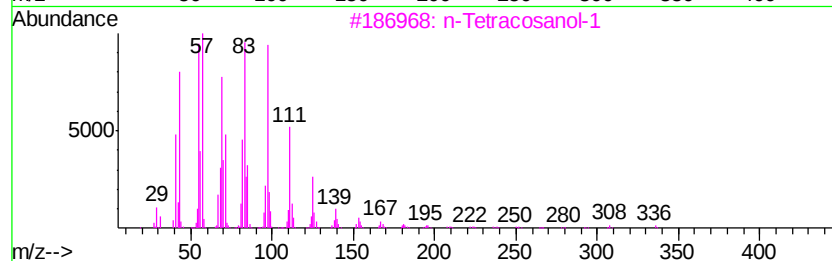
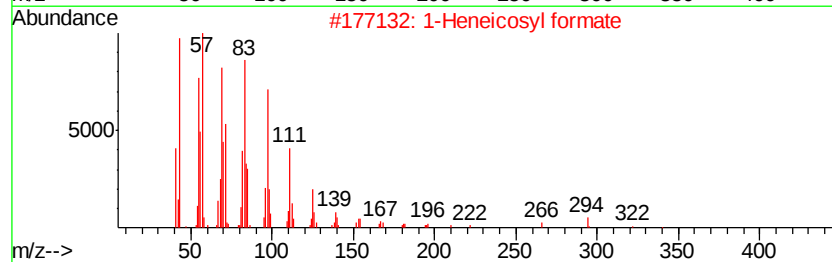
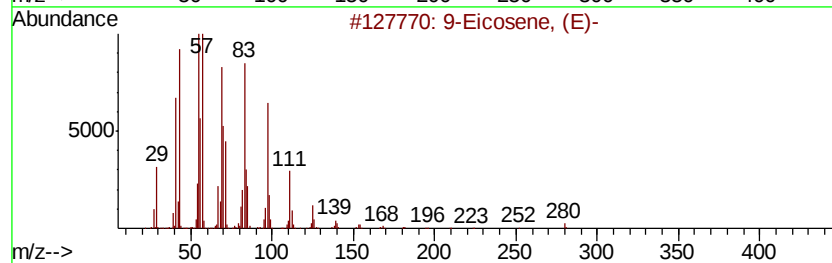
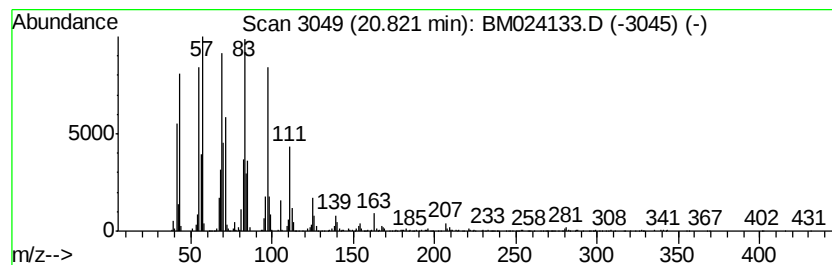
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Cyclic20.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	4.42 ng/ul	1540310	Chrysene-d12	21.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Eicosene, (E)-	280	C20H40	074685-29-3	94
2		1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3		n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
5		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121719\
Data File : BM024133.D
Acq On : 17 Dec 2019 22:10
Operator : JU
Sample : K6132-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFQR5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
p-Benzoquinone	5.92	6.3	ng/ul	2184050	1	7.45	6941640	20.0
2,5-Cyclohexadien...	8.93	13.4	ng/ul	2933030	2	10.22	4382400	20.0
2,5-Cyclohexadien...	9.03	5.3	ng/ul	1153630	2	10.22	4382400	20.0
unknown-01	9.12	3.8	ng/ul	829450	2	10.22	4382400	20.0
Hydroquinone	11.17	22.5	ng/ul	4921470	2	10.22	4382400	20.0
Benzenamine, 5-ch...	11.83	2.5	ng/ul	559641	2	10.22	4382400	20.0
Orcinol	12.23	3.7	ng/ul	1157500	3	14.12	6222050	20.0
1,4-Naphthalenedione	13.36	9.2	ng/ul	2862690	3	14.12	6222050	20.0
Phenol, 4-(phenyl...	17.80	12.6	ng/ul	4511200	4	16.87	7142330	20.0
unknown-02	19.11	4.7	ng/ul	1637930	5	21.08	6968620	20.0
(DEL) Alkane: Cyc...	20.82	4.4	ng/ul	1540310	5	21.08	6968620	20.0