

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
 Data File : BF103987.D
 Acq On : 27 Mar 2018 22:58
 Operator : JU/SJ
 Sample : J2071-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-DB

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % 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:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.322	34	40	50	rVB	92396	129454	4.85%	0.366%
2	5.222	529	533	548	rBV	61268	102444	3.84%	0.289%
3	5.610	595	599	633	rBV	1665555	2480174	93.01%	7.006%
4	6.604	764	768	788	rBV	1904377	2566104	96.23%	7.249%
5	6.745	788	792	813	rVB	2455104	2666625	100.00%	7.533%
6	6.969	827	830	841	rBV	785203	829591	31.11%	2.343%
7	7.128	853	857	873	rBV	2129350	2042414	76.59%	5.770%
8	7.534	921	926	935	rBV	1451139	1589631	59.61%	4.491%
9	7.604	935	938	950	rVB3	33958	68249	2.56%	0.193%
10	8.251	1044	1048	1068	rBV	1041055	1152000	43.20%	3.254%
11	8.739	1127	1131	1134	rVB	75856	63725	2.39%	0.180%
12	9.328	1226	1231	1239	rBV	2622179	2565086	96.19%	7.246%
13	9.386	1239	1241	1244	rVB	29198	27616	1.04%	0.078%
14	9.716	1291	1297	1304	rBV	356182	327571	12.28%	0.925%
15	9.875	1320	1324	1328	rBV	50000	46778	1.75%	0.132%
16	9.922	1328	1332	1336	rVB	86318	68681	2.58%	0.194%
17	10.010	1343	1347	1351	rBV	1259223	1143276	42.87%	3.230%
18	10.039	1351	1352	1358	rVB	47681	45127	1.69%	0.127%
19	10.398	1409	1413	1414	rBV	34836	26994	1.01%	0.076%
20	10.422	1414	1417	1420	rVB	110725	88202	3.31%	0.249%
21	10.563	1437	1441	1447	rVB2	24928	34923	1.31%	0.099%
22	10.639	1450	1454	1457	rBV3	31397	43312	1.62%	0.122%
23	10.804	1478	1482	1491	rBV	1409238	1329354	49.85%	3.755%
24	10.892	1495	1497	1508	rVB	92693	123083	4.62%	0.348%
25	11.345	1571	1574	1577	rBV	66770	68521	2.57%	0.194%
26	11.504	1597	1601	1603	rBV	1056164	970415	36.39%	2.741%
27	11.527	1603	1605	1609	rVV	660306	566530	21.25%	1.600%
28	11.580	1611	1614	1618	rVB	118855	107721	4.04%	0.304%
29	11.739	1636	1641	1644	rBV2	63777	75674	2.84%	0.214%
30	11.769	1644	1646	1649	rVB2	41208	34434	1.29%	0.097%
31	12.010	1683	1687	1689	rBV2	216094	215223	8.07%	0.608%
32	12.033	1689	1691	1696	rVV2	150390	168374	6.31%	0.476%
33	12.080	1696	1699	1702	rVV	45940	48978	1.84%	0.138%
34	12.122	1702	1706	1708	rVV2	121632	147330	5.52%	0.416%

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Integrator: RTE

Smoothing : ON

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Max Peaks: 100

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.139	1708	1709	1713	rVB	65764	51467	1.93%	0.145%
36	12.180	1713	1716	1720	rBV2	41857	39514	1.48%	0.112%
37	12.298	1734	1736	1739	rVB	67972	60658	2.27%	0.171%
38	12.333	1739	1742	1745	rBV	44687	41793	1.57%	0.118%
39	12.557	1776	1780	1783	rBV2	61689	92313	3.46%	0.261%
40	12.645	1792	1795	1800	rBV	58482	75055	2.81%	0.212%
41	12.727	1804	1809	1812	rBV	1376001	1364080	51.15%	3.853%
42	12.786	1817	1819	1823	rBV3	32968	48455	1.82%	0.137%
43	12.874	1832	1834	1837	rBV2	28111	32715	1.23%	0.092%
44	12.957	1841	1848	1853	rBV	1348991	1426000	53.48%	4.028%
45	12.998	1853	1855	1860	rVB2	72217	78394	2.94%	0.221%
46	13.086	1865	1870	1873	rBV	1858193	1749217	65.60%	4.941%
47	13.116	1873	1875	1879	rVB	58648	58677	2.20%	0.166%
48	13.169	1879	1884	1888	rBV2	93027	167658	6.29%	0.474%
49	13.280	1896	1903	1908	rBV	165265	315385	11.83%	0.891%
50	13.345	1912	1914	1916	rBV	57279	51817	1.94%	0.146%
51	13.386	1917	1921	1924	rVV2	116974	121039	4.54%	0.342%
52	13.480	1934	1937	1939	rBV	93179	77540	2.91%	0.219%
53	13.510	1939	1942	1946	rVV	79754	89647	3.36%	0.253%
54	13.792	1987	1990	1996	rVB	143941	152580	5.72%	0.431%
55	13.904	2006	2009	2011	rBV2	109465	110287	4.14%	0.312%
56	13.933	2011	2014	2016	rVV	118624	98727	3.70%	0.279%
57	13.963	2016	2019	2023	rVV3	191045	244737	9.18%	0.691%
58	13.998	2023	2025	2032	rVV2	89507	123919	4.65%	0.350%
59	14.157	2047	2052	2055	rBV2	1078039	1724516	64.67%	4.872%
60	14.186	2055	2057	2064	rVB	925388	780353	29.26%	2.204%
61	14.263	2068	2070	2072	rBV	50206	36096	1.35%	0.102%
62	14.545	2116	2118	2121	rVB	124245	100841	3.78%	0.285%
63	15.239	2232	2236	2240	rBV	670615	1144230	42.91%	3.232%
64	15.357	2253	2256	2263	rVB	122637	162331	6.09%	0.459%
65	15.568	2288	2292	2298	rVB	396626	545869	20.47%	1.542%
66	15.633	2299	2303	2308	rVV	500356	629390	23.60%	1.778%
67	15.704	2310	2315	2318	rVV	451306	643696	24.14%	1.818%
68	15.733	2318	2320	2326	rVB	146630	180273	6.76%	0.509%
69	17.280	2578	2583	2594	rVB2	227265	476159	17.86%	1.345%
70	17.762	2661	2665	2674	rVB	155692	340639	12.77%	0.962%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

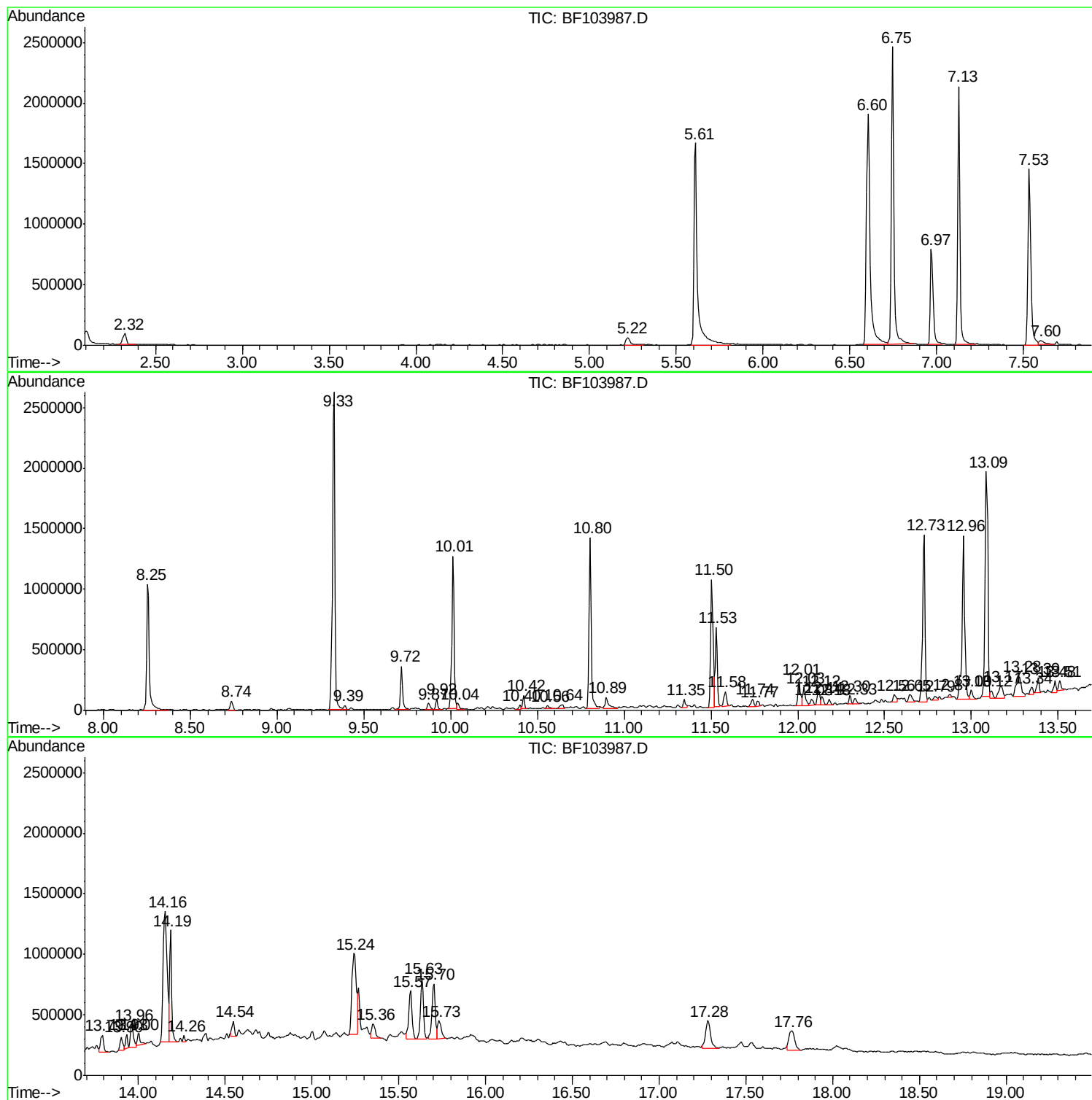
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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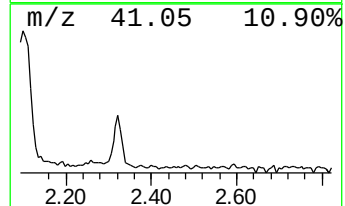
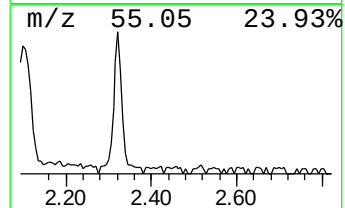
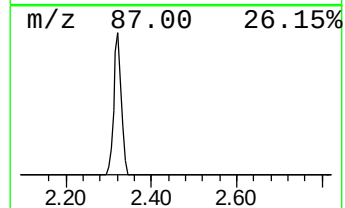
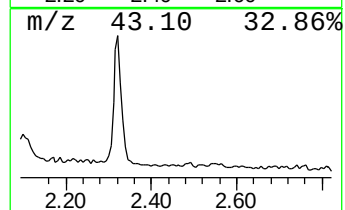
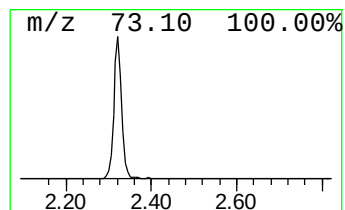
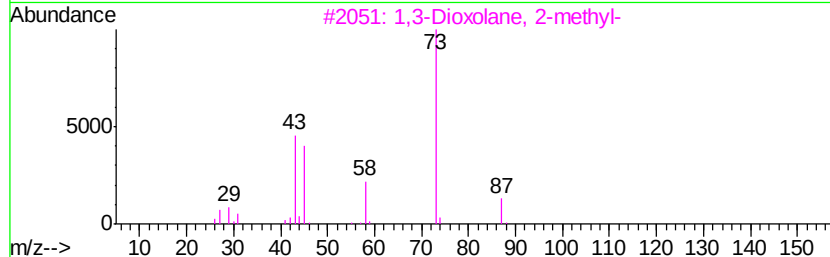
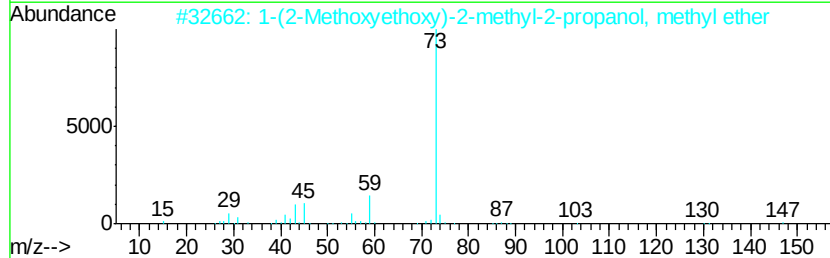
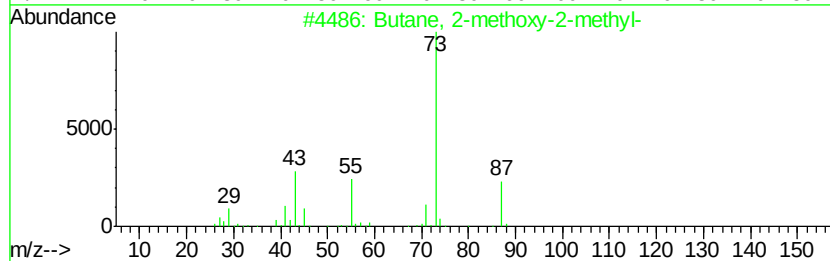
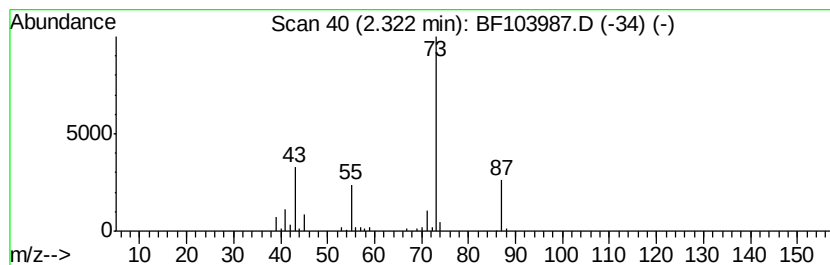
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	3.12 ng	129454	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			1-(2-Methoxyethoxy)-2-methyl-2-propanol	162	C8H18O3	1000364-24-4	23
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	17



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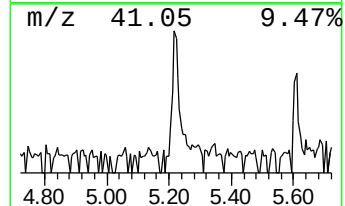
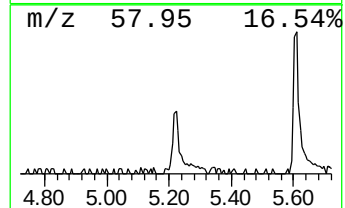
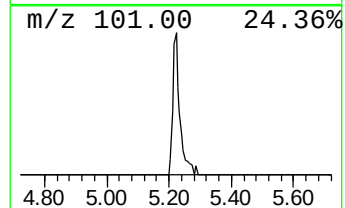
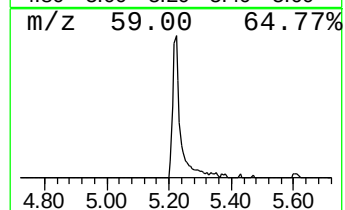
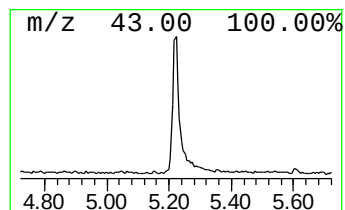
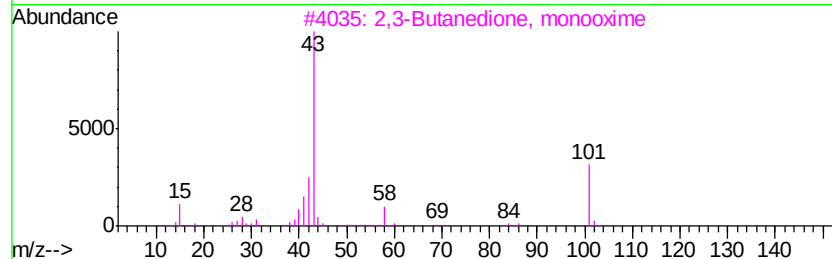
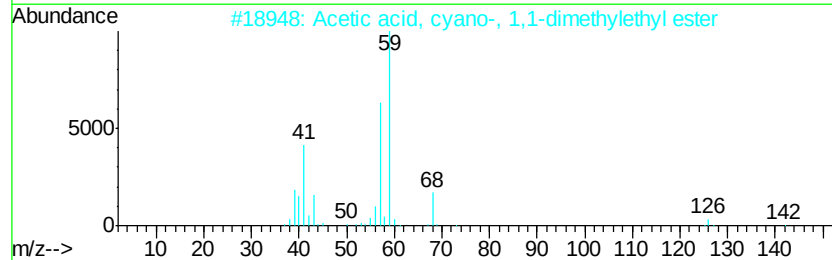
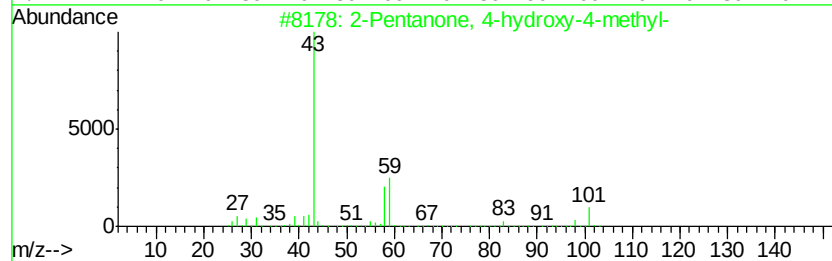
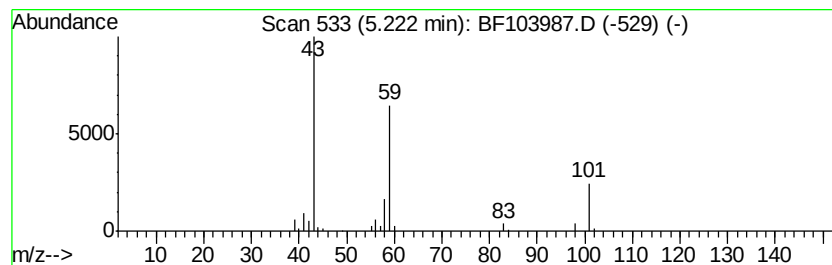
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	2.47 ng	102444	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4		Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	16
5		Acetone	58	C3H6O	000067-64-1	9



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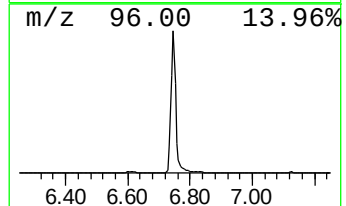
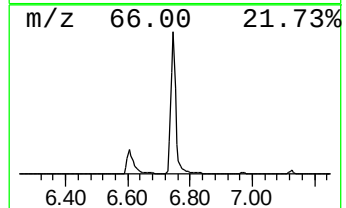
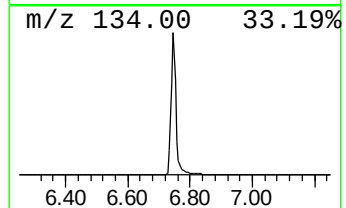
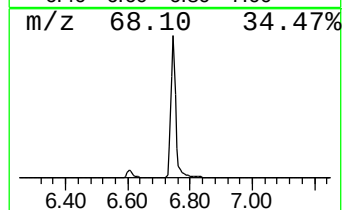
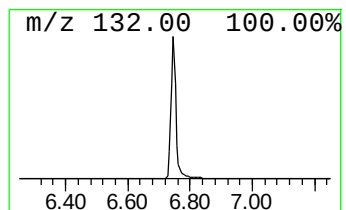
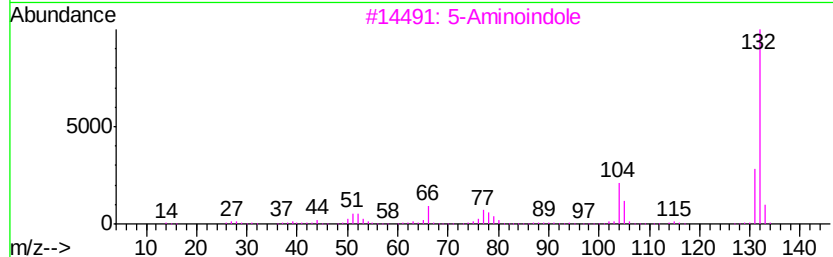
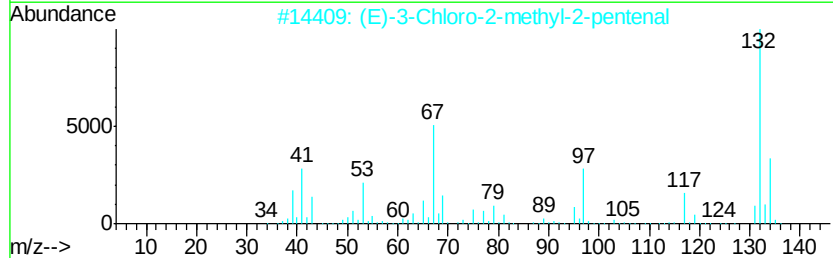
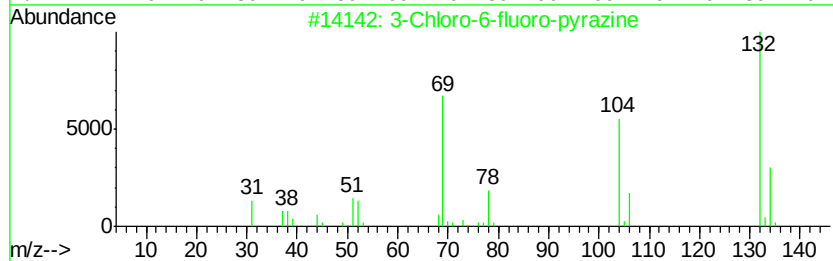
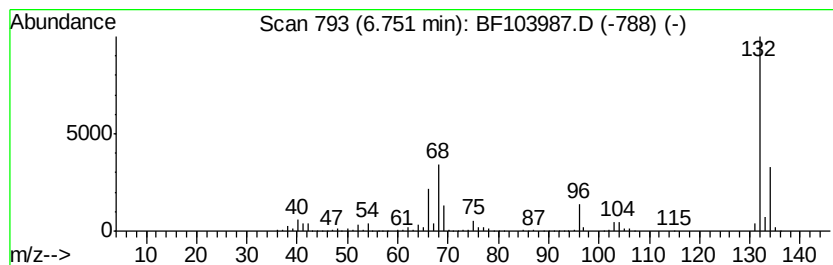
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Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	64.29 ng	2666630	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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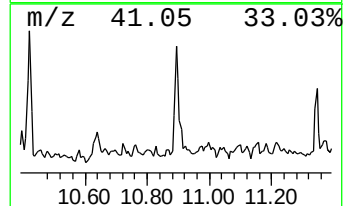
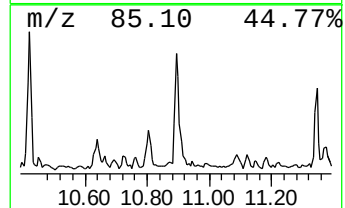
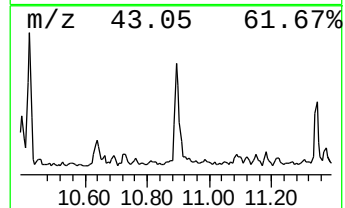
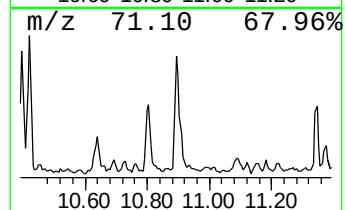
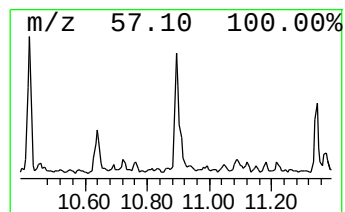
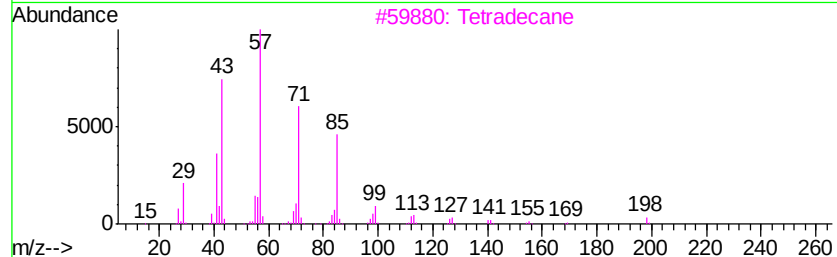
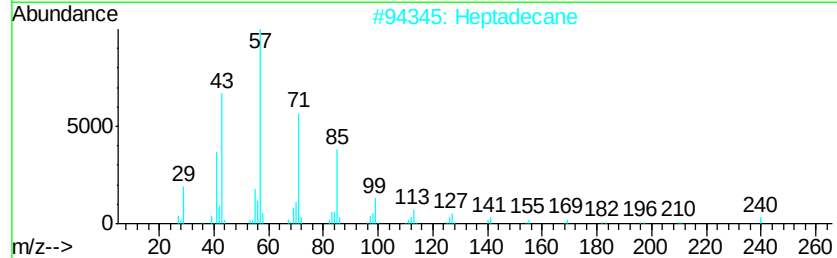
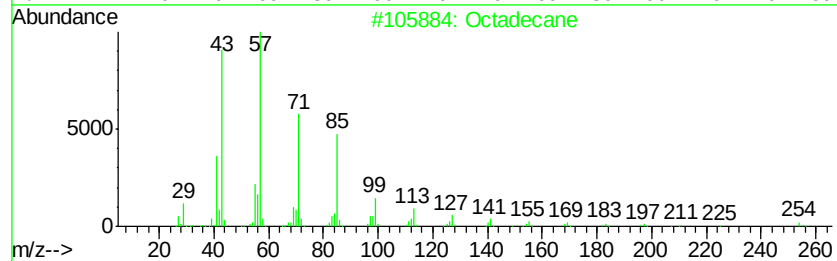
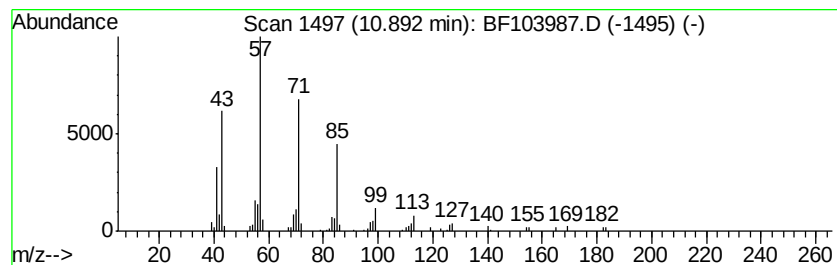
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.89	2.54 ng	123083	Phenanthrene-d10		11.50
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Tetradecane	198	C14H30	000629-59-4	91
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5	Hexadecane	226	C16H34	000544-76-3	90



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Acq On : 27 Mar 2018 22:58
Operator : JU/SJ
Sample : J2071-07
Misc :
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ClientSampleId :
TP-7-DB

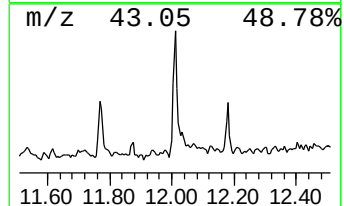
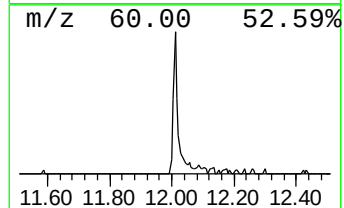
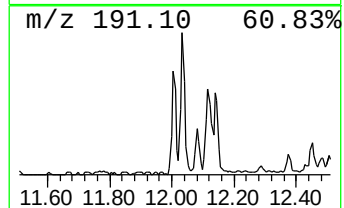
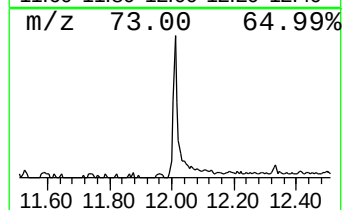
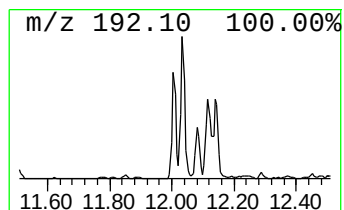
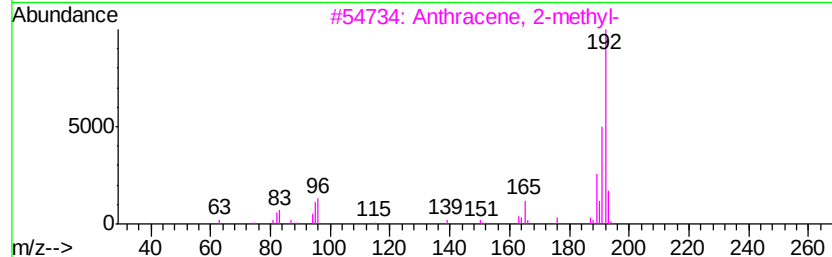
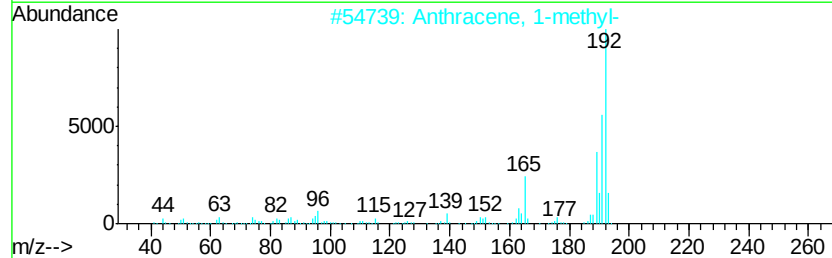
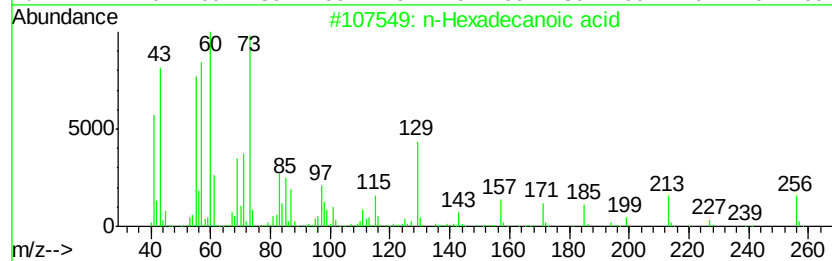
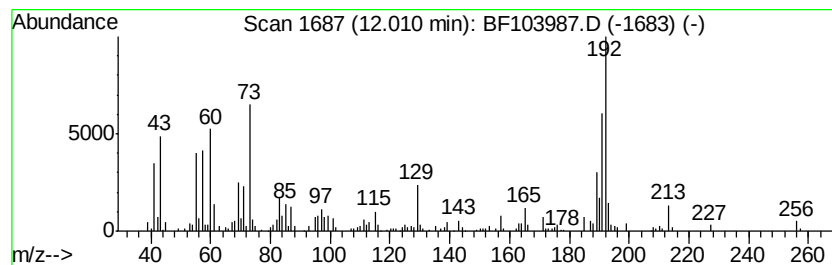
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.44 ng	215223	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	60
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60



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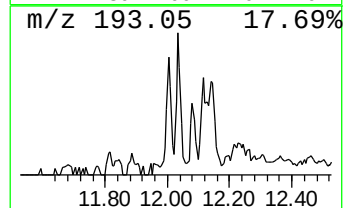
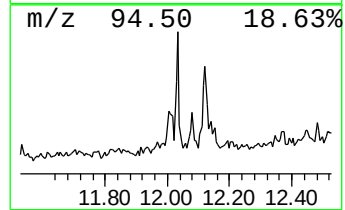
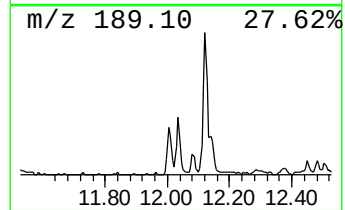
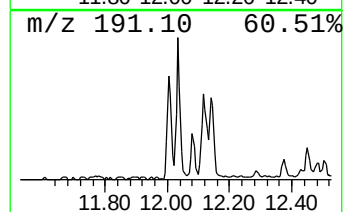
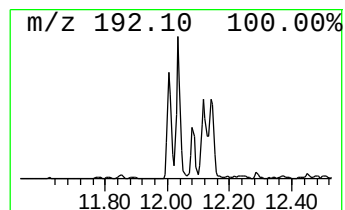
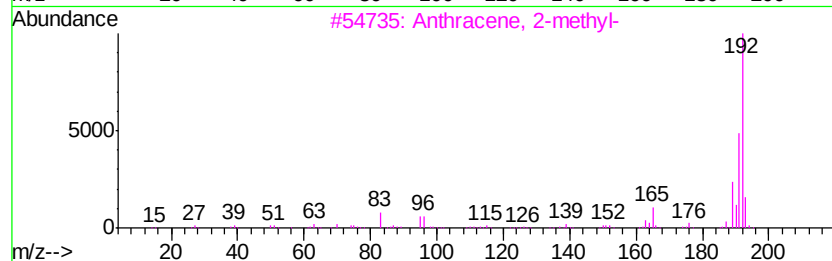
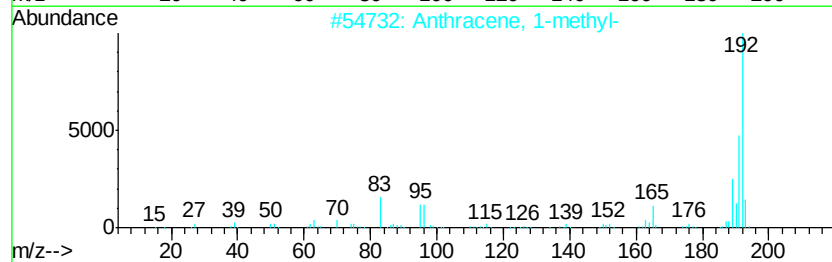
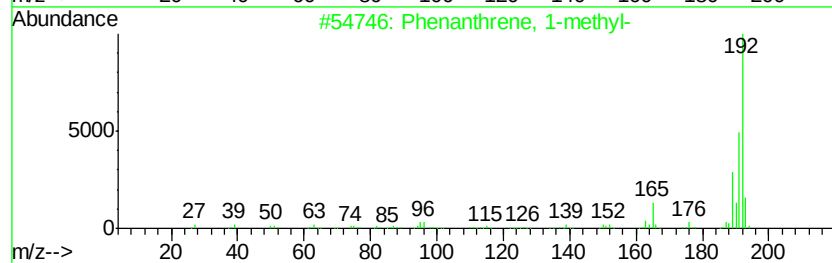
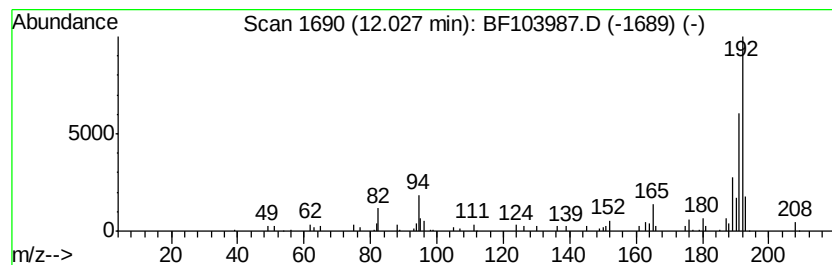
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.47 ng	168374	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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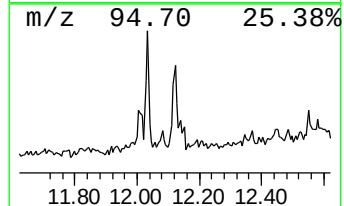
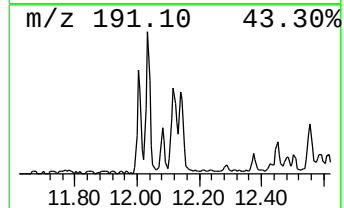
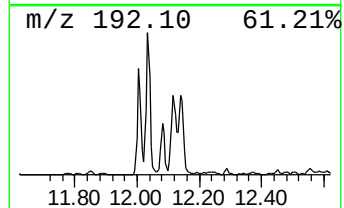
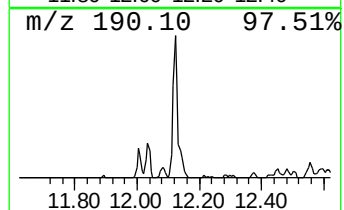
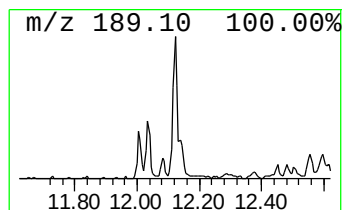
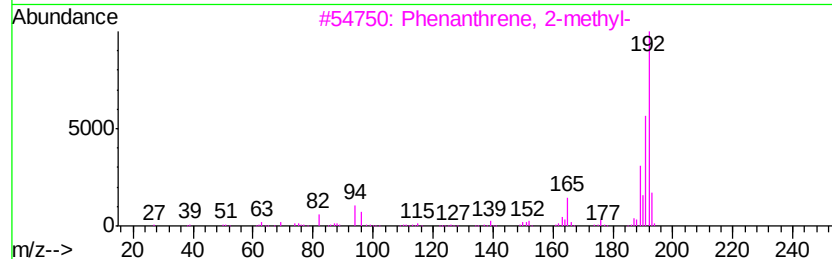
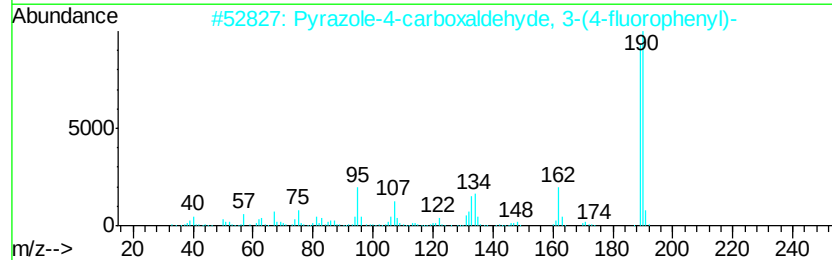
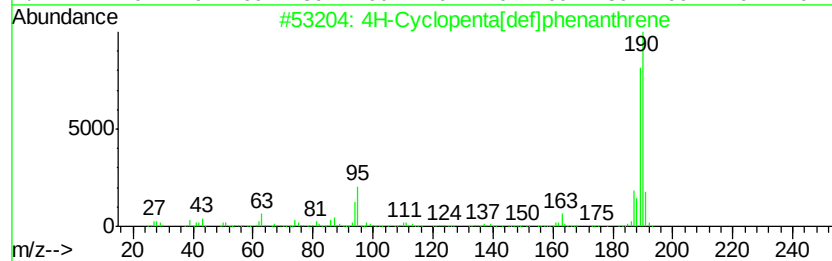
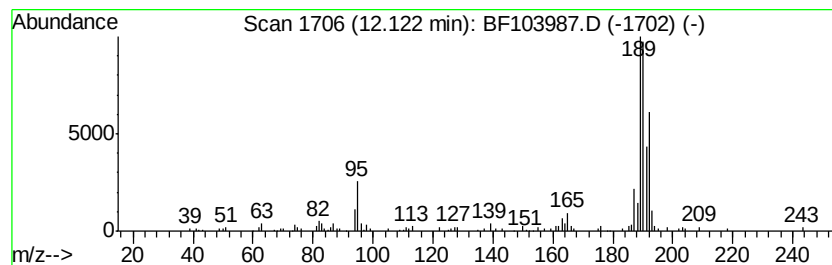
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.04 ng	147330	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	35



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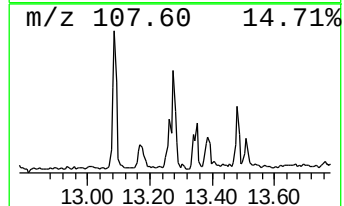
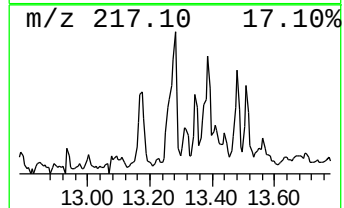
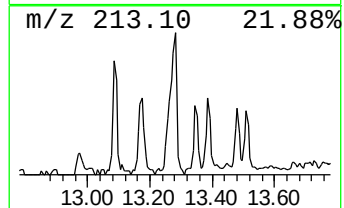
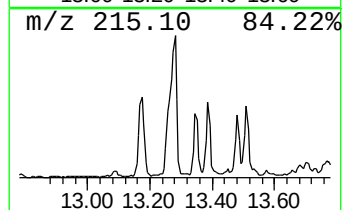
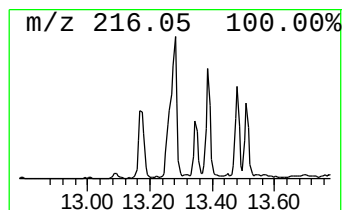
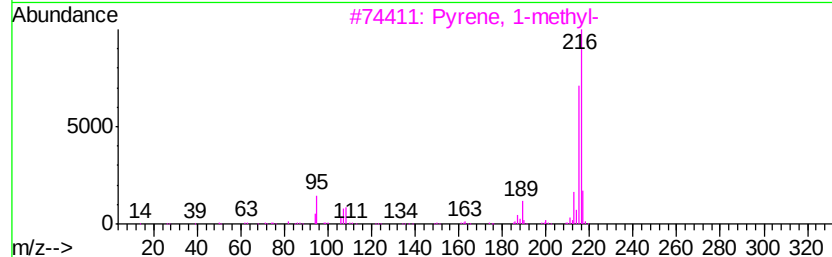
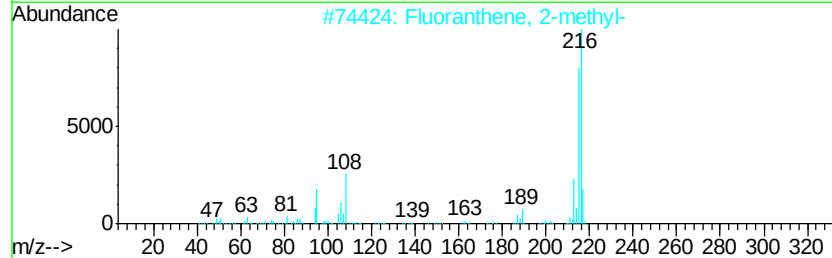
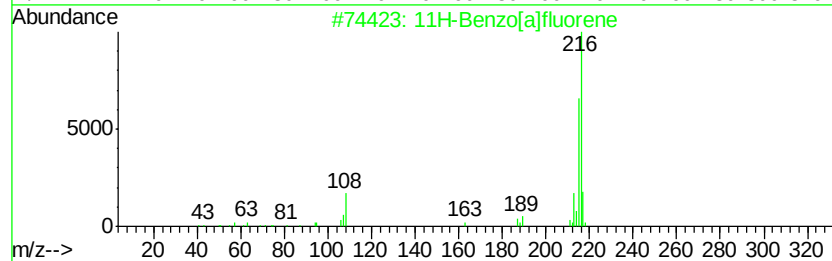
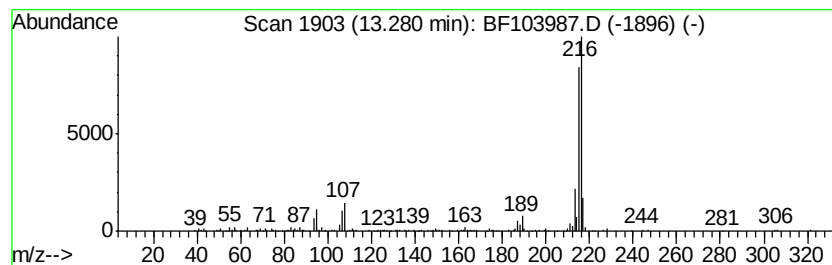
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.66 ng	315385	Chrysene-d12	14.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



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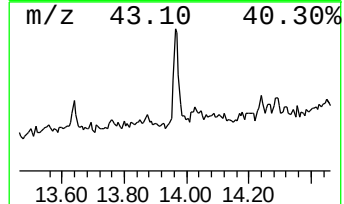
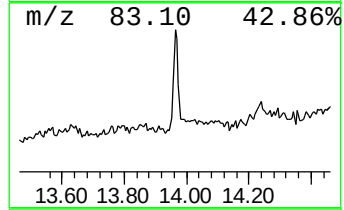
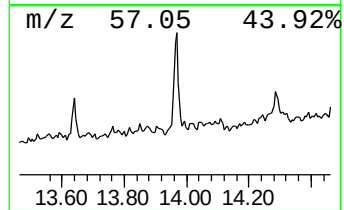
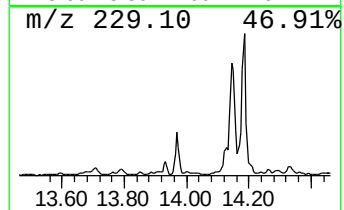
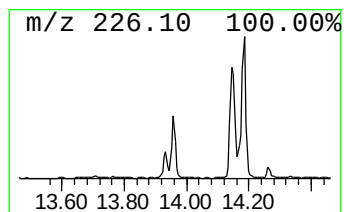
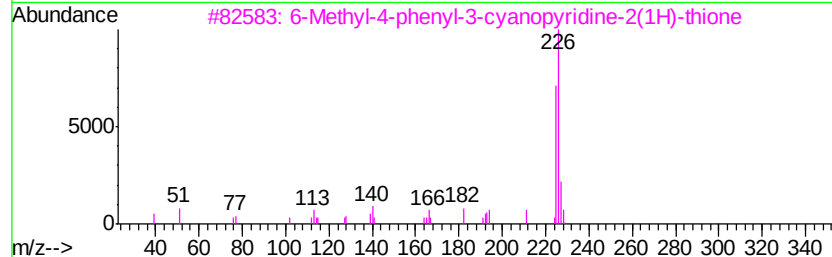
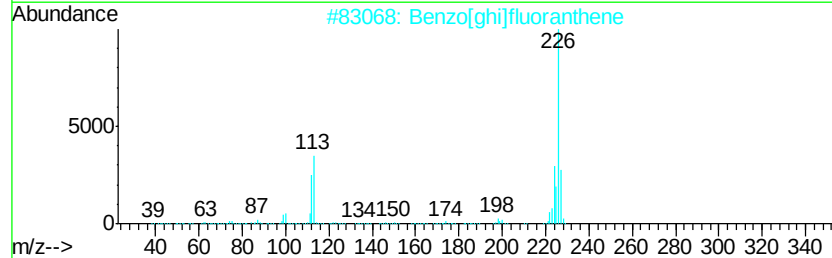
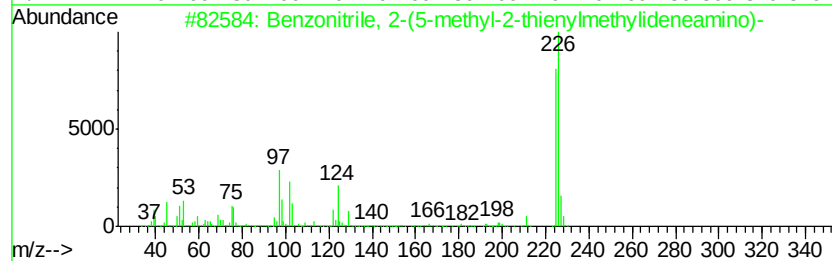
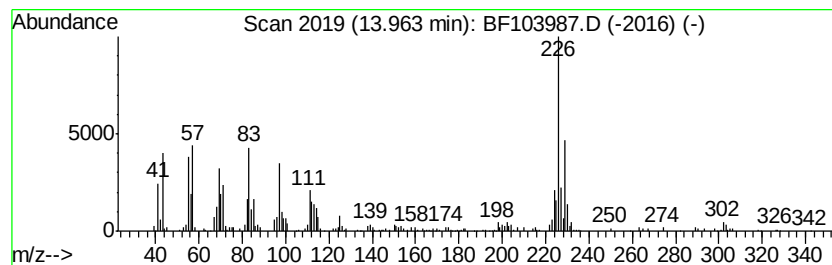
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown13.96 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	2.84 ng	244737	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	35
2			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	30
3			6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	27
4			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	25
5			2-Phenyl-4,5-methylenedioxybenza...	226	C14H10O3	004432-95-5	22



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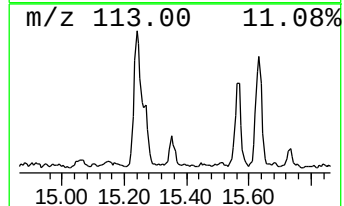
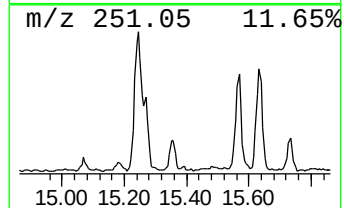
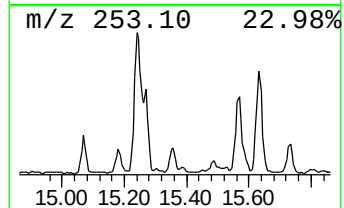
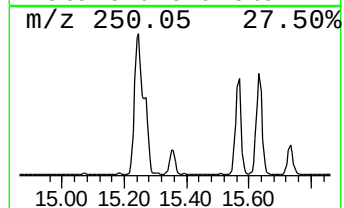
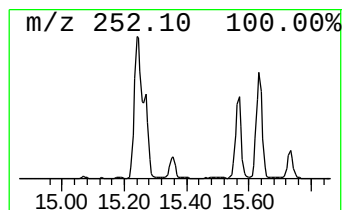
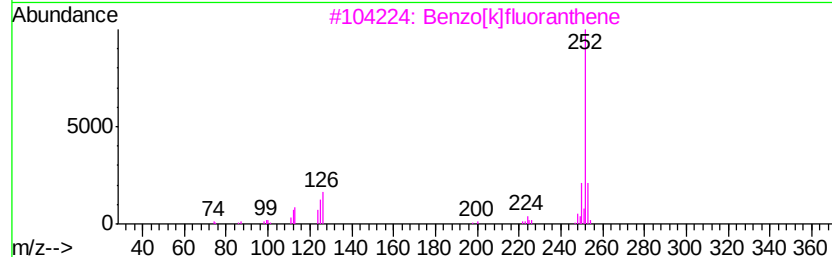
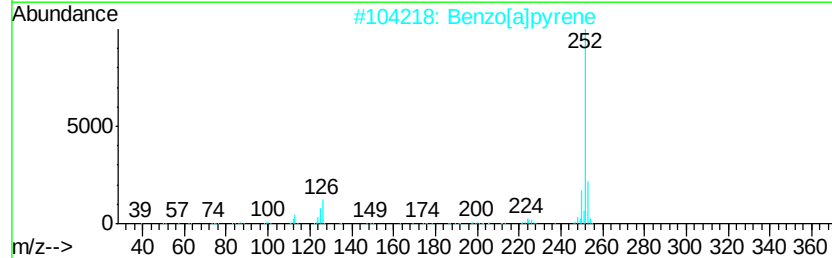
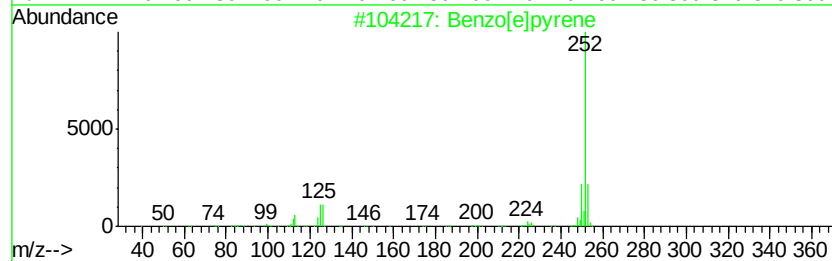
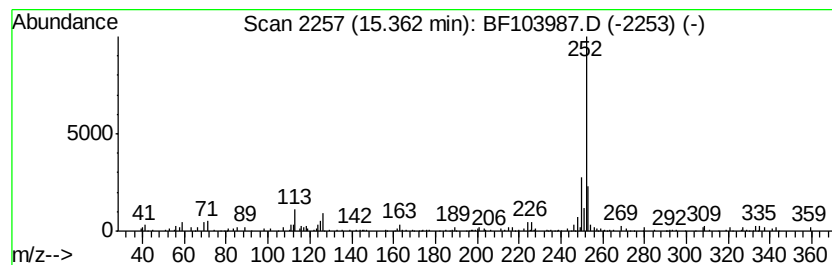
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	5.04 ng	162331	Perylene-d12	15.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



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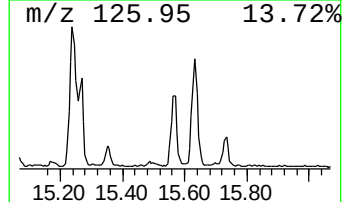
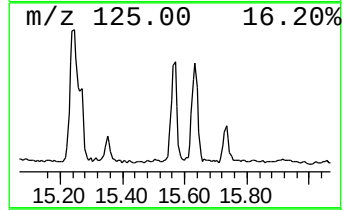
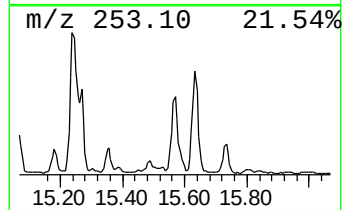
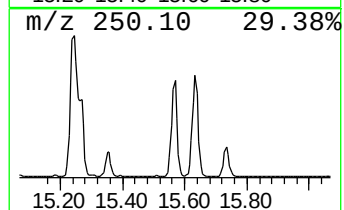
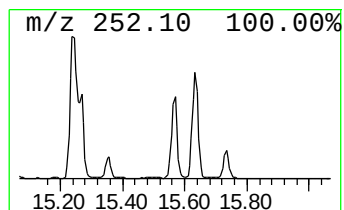
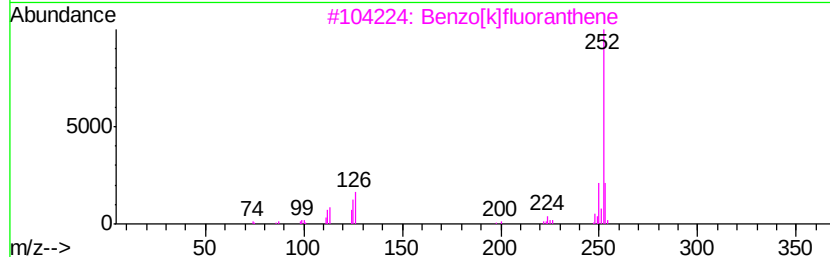
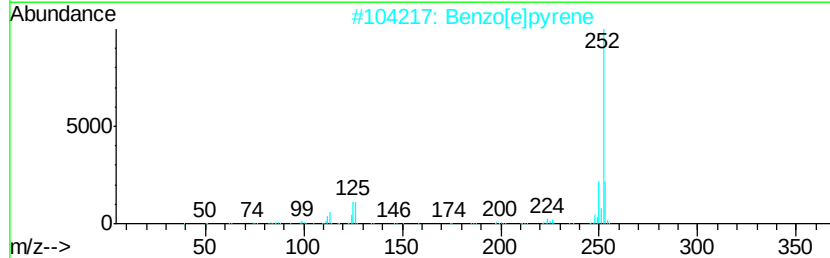
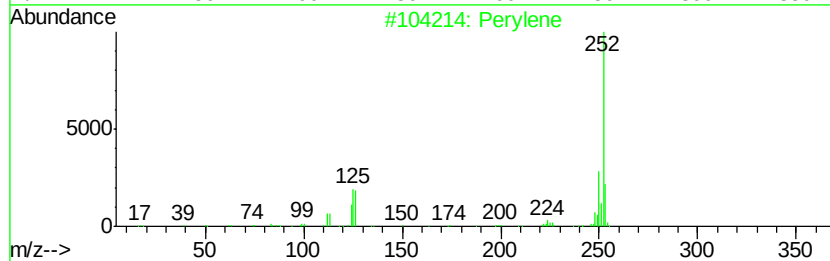
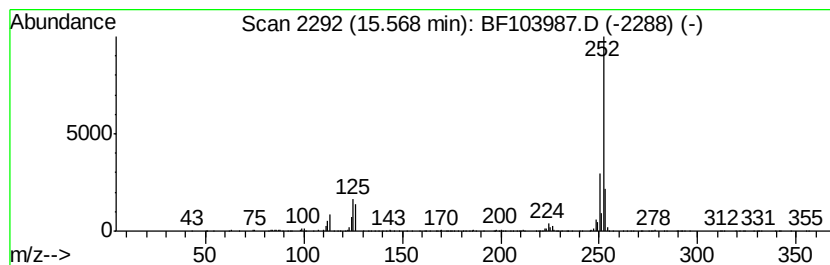
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	16.96 ng	545869	Perylene-d12	15.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	99
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
Data File : BF103987.D
Acq On : 27 Mar 2018 22:58
Operator : JU/SJ
Sample : J2071-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-DB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Butane, 2-methoxy...	2.32	3.1 ng		129454	1	6.97	829591	20.0
2-Pentanone, 4-hy...	5.22	2.5 ng		102444	1	6.97	829591	20.0
unknown6.75	6.75	64.3 ng		2666630	1	6.97	829591	20.0
Octadecane	10.89	2.5 ng		123083	4	11.50	970415	20.0
n-Hexadecanoic acid	12.01	4.4 ng		215223	4	11.50	970415	20.0
Phenanthrene, 1-m...	12.03	3.5 ng		168374	4	11.50	970415	20.0
4H-Cyclopenta[def...	12.12	3.0 ng		147330	4	11.50	970415	20.0
11H-Benzo[a]fluorene	13.28	3.7 ng		315385	5	14.16	1724520	20.0
unknown13.96	13.96	2.8 ng		244737	5	14.16	1724520	20.0
Benzo[e]pyrene	15.36	5.0 ng		162331	6	15.70	643696	20.0
Perylene	15.57	17.0 ng		545869	6	15.70	643696	20.0