LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112119\
Data File : BF117923.D
Acq On : 21 Nov 2019 20:10
Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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	2.169	9	14	31	rVB	440654	683835	12.33%	0.638%
2	5.122	509	516	526	rBV	491474	601859	10.85%	0.562%
3	5.528	580	585	588	rBV	3266186	2976255	53.66%	2.778%
4	6.539	752	757	760	rBV	3379787	3230929	58.25%	3.016%
5	6.687	777	782	785	rBV	3731771	3350236	60.41%	3.127%
6	6.916	817	821	824	rBV	1041017	807267	14.56%	0.754%
7	7.075	844	848	851	rBV	3259556	2636562	47.54%	2.461%
8	7.481	912	917	920	rBV	2254949	2056806	37.08%	1.920%
9	8.204	1036	1040	1042	rBV	1318789	1082749	19.52%	1.011%
10	8.228	1042	1044	1047	rVB	663544	491605	8.86%	0.459%
11	8.916	1158	1161	1167	rBV	548988	492161	8.87%	0.459%
12	9.016	1174	1178	1183	rBV	503135	480423	8.66%	0.448%
13	9.280	1219	1223	1227	rBV	4537220	4026211	72.59%	3.758%
14	9.386	1238	1241	1245	rVB2	142042	183543	3.31%	0.171%
15	9.545	1264	1268	1272	rBV	296512	396817	7.15%	0.370%
16	9.622	1278	1281	1284	rBV	478286	460369	8.30%	0.430%
17	9.651	1284	1286	1288	rVV	280203	245337	4.42%	0.229%
18	9.675	1288	1290	1295	rVV	739341	587913	10.60%	0.549%
19	9.739	1298	1301	1307	rBV	242971	260037	4.69%	0.243%
20	9.828	1312	1316	1320	rBV	438423	380372	6.86%	0.355%
21	9.969	1337	1340	1343	rVV	1434238	1193442	21.52%	1.114%
22	9.998	1343	1345	1348	rVV	895834	687552	12.40%	0.642%
23	10.169	1370	1374	1378	rVV	675483	613614	11.06%	0.573%
24	10.280	1390	1393	1396	rBV2	165163	182947	3.30%	0.171%
25	10.375	1405	1409	1411	rBV2	122872	180803	3.26%	0.169%
26	10.516	1430	1433	1439	rVB	1324521	1143307	20.61%	1.067%
27	10.675	1457	1460	1463	rVB	252320	219272	3.95%	0.205%
28	10.757	1468	1474	1478	rBV	2845474	2635111	47.51%	2.460%
29	10.880	1490	1495	1499	rBV2	185074	290054	5.23%	0.271%
30	11.069	1521	1527	1529	rBV2	280180	350410	6.32%	0.327%
31	11.092	1529	1531	1534	rVV2	184884	171462	3.09%	0.160%
32	11.192	1544	1548	1550	rBV3	130161	175269	3.16%	0.164%
33	11.263	1557	1560	1564	rVV	277153	255053	4.60%	0.238%
34	11.316	1564	1569	1572	rVV2	163935	275896	4.97%	0.258%

LSC Area Percent Report

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Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.357	1572	1576	1581	rVB	545544	507304	9.15%	0.474%
36	11.463	1590	1594	1595	rBV	1319678	1192099	21.49%	1.113%
37	11.492	1595	1599	1602	rVV	5361804	5160613	93.05%	4.817%
38	11.539	1602	1607	1609	rVV	1670638	1463007	26.38%	1.366%
39	11.569	1609	1612	1615	rVB2	154539	169433	3.05%	0.158%
40	11.686	1626	1632	1635	rBV	465087	508671	9.17%	0.475%
41	11.751	1640	1643	1648	rVV3	226401	323555	5.83%	0.302%
42	11.792	1648	1650	1655	rVV2	251763	231908	4.18%	0.216%
43	11.851	1656	1660	1662	rVV	1107023	997896	17.99%	0.932%
44	11.963	1673	1679	1681	rBV	832840	857507	15.46%	0.800%
45	11.992	1681	1684	1688	rVV	1149468	1144000	20.63%	1.068%
46	12.039	1689	1692	1695	rVV	399141	340633	6.14%	0.318%
47	12.080	1695	1699	1701	rVV	1320269	1481261	26.71%	1.383%
48	12.098	1701	1702	1706	rVB	625579	346438	6.25%	0.323%
49	12.163	1706	1713	1716	rBV3	118997	209208	3.77%	0.195%
50	12.257	1726	1729	1731	rVV	529579	451475	8.14%	0.421%
51	12.280	1731	1733	1737	rVB2	308774	301544	5.44%	0.281%
52	12.439	1757	1760	1762	rVV	224947	174946	3.15%	0.163%
53	12.516	1769	1773	1775	rBV	559271	666668	12.02%	0.622%
54	12.539	1775	1777	1779	rVV	1913940	1851576	33.38%	1.728%
55	12.563	1779	1781	1786	rVV	3191606	2792886	50.36%	2.607%
56	12.604	1786	1788	1792	rVB	412047	405480	7.31%	0.379%
57	12.645	1792	1795	1797	rBV	498642	361969	6.53%	0.338%
58	12.686	1797	1802	1805	rBV	5028432	5457193	98.39%	5.094%
59	12.774	1814	1817	1820	rVB2	210524	197730	3.57%	0.185%
60	12.916	1834	1841	1846	rBV2	4242847	5546278	100.00%	5.177%
61	12.957	1846	1848	1853	rVB2	237628	281923	5.08%	0.263%
62	13.051	1857	1864	1871	rVB	3591307	3685840	66.46%	3.441%
63	13.133	1872	1878	1881	rBV2	398883	657545	11.86%	0.614%
64	13.216	1888	1892	1893	rBV3	305695	343461	6.19%	0.321%
65	13.239	1893	1896	1899	rVB	852627	776141	13.99%	0.725%
66	13.304	1904	1907	1910	rVB	586717	486806	8.78%	0.454%
67	13.345	1910	1914	1916	rBV2	551721	569433	10.27%	0.532%
68	13.398	1921	1923	1927	rBV3	154594	173802	3.13%	0.162%
69	13.439	1927	1930	1932	rVV	368606	321826	5.80%	0.300%
70	13.468	1932	1935	1942	rVV2	383213	512856	9.25%	0.479%
71	13.745	1979	1982	1987	rVB	515187	580348	10.46%	0.542%

LSC Area Percent Report

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Sample : K5676-21
Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-112019

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.863	1997	2002	2004	rBV2	568098	743794	13.41%	0.694%
73	13.886	2004	2006	2008	rVV	607897	505944	9.12%	0.472%
74	13.915	2008	2011	2014	rVV2	514744	678016	12.22%	0.633%
75	13.957	2014	2018	2022	rVB2	703792	805616	14.53%	0.752%
76	14.027	2028	2030	2037	rVB2	141773	204802	3.69%	0.191%
77	14.110	2037	2044	2047	rBV3	3680293	5273267	95.08%	4.923%
78	14.145	2047	2050	2056	rVB	3142199	2987474	53.86%	2.789%
79	14.221	2060	2063	2066	rVV	697926	592010	10.67%	0.553%
80	14.257	2066	2069	2073	rVV3	266551	403388	7.27%	0.377%
81	14.298	2074	2076	2079	rVB2	220011	172058	3.10%	0.161%
82	14.327	2079	2081	2086	rBV2	310415	409660	7.39%	0.382%
83	14.463	2102	2104	2106	rBV	208247	184079	3.32%	0.172%
84	14.498	2106	2110	2113	rVV	759452	791330	14.27%	0.739%
85	14.533	2113	2116	2119	rVB	414105	364987	6.58%	0.341%
86	14.580	2120	2124	2125	rVV3	237706	327807	5.91%	0.306%
87	14.627	2129	2132	2134	rVV	437975	456658	8.23%	0.426%
88	14.645	2134	2135	2139	rVB2	377653	284217	5.12%	0.265%
89	14.898	2175	2178	2180	rBV2	205795	185593	3.35%	0.173%
90	15.186	2221	2227	2230	rBV	2508184	4549133	82.02%	4.247%
91	15.251	2234	2238	2241	rVV3	209171	359558	6.48%	0.336%
92	15.292	2241	2245	2248	rVB	638957	662276	11.94%	0.618%
93	15.404	2257	2264	2267	rBV3	185469	487678	8.79%	0.455%
94	15.498	2276	2280	2286	rVB	1588691	2178309	39.28%	2.033%
95	15.568	2286	2292	2297	rVB	2354224	3072220	55.39%	2.868%
96	15.627	2298	2302	2305	rVV	807205	1174476	21.18%	1.096%
97	15.662	2305	2308	2314	rVB2	774367	1025678	18.49%	0.957%
98	16.209	2399	2401	2409	rVB3	187080	292585	5.28%	0.273%
99	17.168	2558	2564	2571	rVB2	703451	1461148	26.34%	1.364%
100	17.633	2637	2643	2653	rVB	541031	1153424	20.80%	1.077%

Sum of corrected areas: 107123922

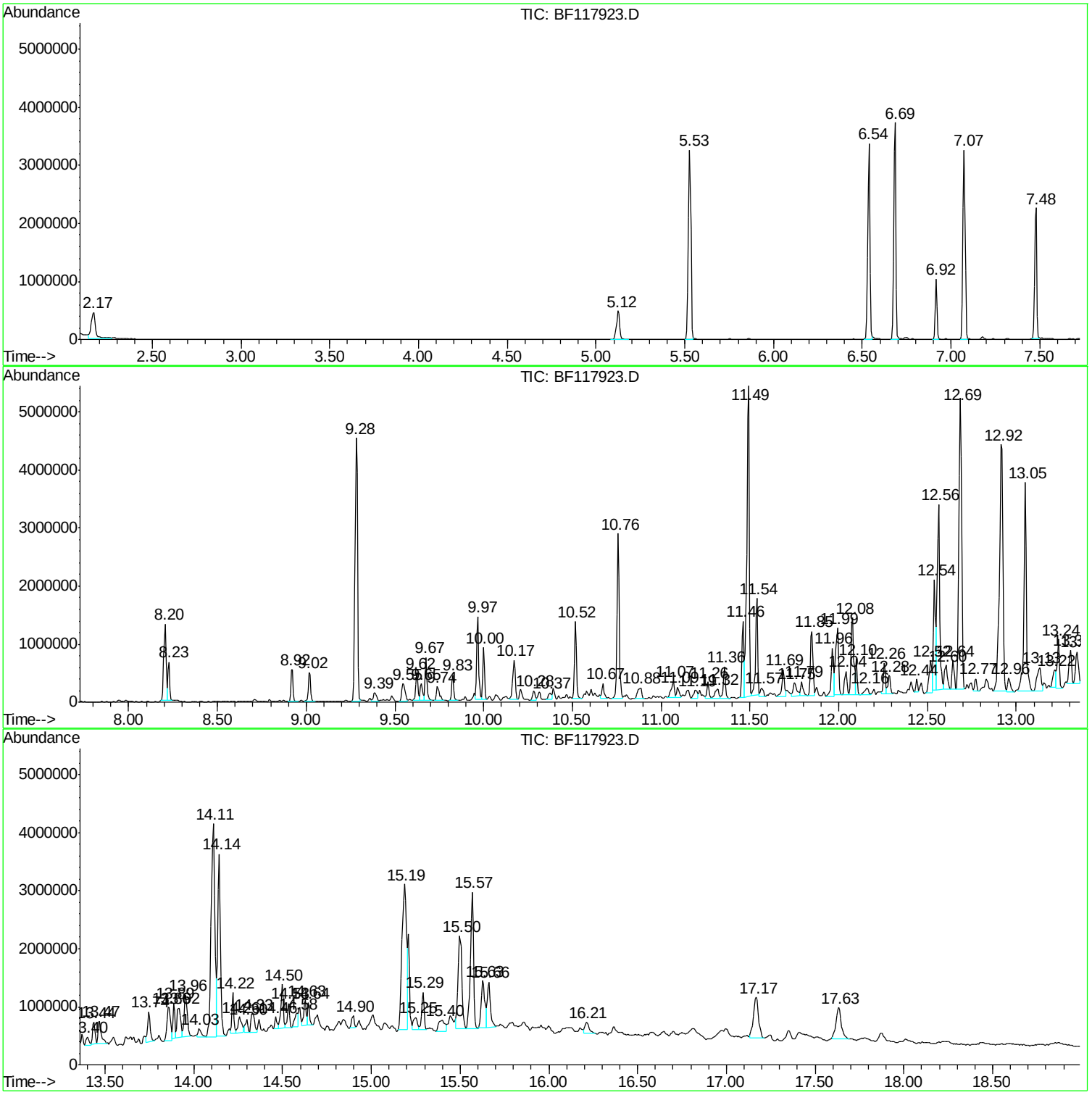
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112119\
Data File : BF117923.D
Acq On : 21 Nov 2019 20:10
Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
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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.
2.17	16.94 ng	683835	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	14.91 ng	601859	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	Acetone	58	C3H6O	000067-64-1	10
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9

****

Peak Number 3 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	83.00 ng	3350240	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9

****

Peak Number 4 1,2-Dichlorobenzene-D4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	65.32 ng	2636560	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	97
2	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	95
3	9-Borabicyclo[3.3.1]nonane, 9-et...	150	C10H19B	052102-17-7	38
4	But-2-yne-1,4-diol, O,O'-bis(3-n...	384	C18H12N2O8	055709-58-5	10
5	[1,2,4]Triazole, 4-amino-3-(pyra...	150	C5H6N6	1000316-93-2	9

****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	6.65 ng	396817	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95

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Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	7.71 ng	460369	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96

****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	5.88 ng	350410	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3 98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6 96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9 96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7 95
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2 86

****

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	8.51 ng	507304	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90

****

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	16.74 ng	997896	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86

****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	14.39 ng	857507	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
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Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91

****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	19.19 ng	1144000	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94

****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	24.85 ng	1481260	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50

****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	7.57 ng	451475	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
Data File : BF117923.D
Acq On : 21 Nov 2019 20:10
Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	11.18 ng	666668	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81

****

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	31.06 ng	1851580	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99

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Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	46.86 ng	2792890	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99

****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
Data File : BF117923.D
Acq On : 21 Nov 2019 20:10
Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

12.60	6.80 ng	405480	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43

****

Peak Number 18 Benzo[k]fluoranthene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	11.28 ng	662276	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90

****

Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	8.30 ng	487678	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
4	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	64
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	59

****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	37.09 ng	2178310	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
Data File : BF117923.D
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Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112119\
Data File : BF117923.D
Acq On : 21 Nov 2019 20:10
Operator : JU
Sample : K5676-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-112019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.17	16.9	ng	683835	1	6.92	807267	20.0
2-Pentanone, 4-hy...	5.12	14.9	ng	601859	1	6.92	807267	20.0
3-Chloro-6-fluoro...	6.69	83.0	ng	3350240	1	6.92	807267	20.0
1,2-Dichlorobenze...	7.07	65.3	ng	2636560	1	6.92	807267	20.0
Naphthalene, 1,6-...	9.55	6.6	ng	396817	3	9.97	1193440	20.0
Naphthalene, 2,3-...	9.62	7.7	ng	460369	3	9.97	1193440	20.0
9H-Fluorene, 2-me...	11.07	5.9	ng	350410	4	11.46	1192100	20.0
Naphtho[2,1-b]thi...	11.36	8.5	ng	507304	4	11.46	1192100	20.0
Hexadecanoic acid...	11.85	16.7	ng	997896	4	11.46	1192100	20.0
Anthracene, 1-met...	11.96	14.4	ng	857507	4	11.46	1192100	20.0
Phenanthrene, 2-m...	11.99	19.2	ng	1144000	4	11.46	1192100	20.0
4H-Cyclopenta[def...	12.08	24.9	ng	1481260	4	11.46	1192100	20.0
Naphthalene, 2-ph...	12.26	7.6	ng	451475	4	11.46	1192100	20.0
Phenanthrene, 2,5...	12.52	11.2	ng	666668	4	11.46	1192100	20.0
9,12-Octadecadien...	12.54	31.1	ng	1851580	4	11.46	1192100	20.0
9-Octadecenoic ac...	12.56	46.9	ng	2792890	4	11.46	1192100	20.0
Cyclopenta(def)ph...	12.60	6.8	ng	405480	4	11.46	1192100	20.0
Benzo[k]fluoranthene	15.29	11.3	ng	662276	6	15.63	1174480	20.0
Dinaphtho[1,2-b:1...	15.40	8.3	ng	487678	6	15.63	1174480	20.0
Benzo[e]pyrene	15.50	37.1	ng	2178310	6	15.63	1174480	20.0